



Biomnis

Includes
Juvenalis
preventive biology
panels



TEST GUIDE

SPECIALISED MEDICAL PATHOLOGY

INTERNATIONAL DIVISION

The online test guide on www.eurofins-biomnis.com/en/ is the reference for the all tests offered in Biomnis. Updated monthly, this downloadable digital version is also available for offline use.

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Wellness & Preventive Health: Juvenalis®

The maintenance of good health is a major element in the prevention of many diseases. Through a (re)adaptation of lifestyle (diet, physical activity, choice of environment), it can be assessed as a whole or more specifically, by different biological markers likely to reflect possible malfunctions, deficiencies or deficiencies that can then be highlighted, corrected or controlled.

Juvenalis® is a range of biological panels carried out within Eurofins Biomnis laboratories. It is intended for practitioners and healthcare professionals who wish to support their patients in their efforts to ensure a “good old age” and/or to take charge of their own health.

This range is made up of panels but also analyses that can be carried out alone.

- **MiniCheck and BasicCheck** are the recommended first-line check-ups. Composed of markers of oxidative stress, low grade inflammation and (micro)nutritional status, it allows an initial check-up of the state of health,
- **AgeCheck Man / AgeCheck Woman** are designed for patients wishing to take stock of their health as part of an “anti-ageing” approach,
- **DermaCheck** is a basic dermatological health check, designed to support the assurance of beautiful skin,
- **DigestCheck** is intended for all patients suffering from functional intestinal disorders, often of unexplained origin: the proposed check-up may provide other avenues to explore, or support a corrective action already initiated,
- **FertiCheck Man / FertiCheck Woman** are designed for couples wishing to optimize their fertility,
- **NutriCheck** has been specifically designed for patients who are concerned about nutrition and weight control,
- **OxyCheck** estimates the level of oxidative stress in progress in the body, using a specific index/ calculation to express this state of being.”
- **VeggieCheck** is intended for people who practice a vegetarian or vegan diet and wish to monitor whether their micronutritional status is impacted by their diet,
- **Minerals** allows to take stock of mineral deficiencies (iron, iodine, copper...),
- **Vitamins** allows to take stock of vitamin deficiencies (A, B1, B2, C, D...).

Among the proposed analyses :

- 5 **food intolerance tests**,
- 1 **intestinal microbiota mapping test**,
- 40 **relevant analyses in preventive biology**.

Each analysis that makes up a Juvenalis panels is managed and carried out in a strictly identical way to its general context: validation is carried out by the pathologist(s) responsible for the sector concerned, then the entire assessment is collated before being validated, and if necessary commented on, by one of the Juvenalis reference pathologists (who are part of the Eurofins Biomnis pathologist).

Our pathologists have been trained in preventive biology, particularly in the fields of micronutrition, oxidative stress or metabolisms involved in functional disorders. In France it represent more than 75% of the reasons for consultation and are recognised as being at the origin of many chronic or autoimmune diseases.

All the required information is available on the Juvenalis® web site
www.juvenalis.com

THE INTERNATIONAL DIVISION

Eurofins Biomnis is a european leader in specialised medical pathology with:

- Two specialised sites in **France**:
 - o **Paris** (Ivry-sur-Seine): treatment of large-volume specialised tests on an autolab platform
 - o **Lyon** (Gerland): treatment of highly specialised requests, requiring specific expertise (genetics, oncology, infectious diseases, genetic fingerprinting...)
- International clients in over **43 countries**
- A specialised, clinical reference laboratory in **Dublin**, Eurofins Biomnis Ireland
- Numerous partnerships within Eurofins network

On the strength of the Eurofins network and its partnerships with numerus reference international laboratories, Eurofins Biomnis offers its clients access to an unmatched test menu.

Eurofins Biomnis serves hospitals, medical centres, public and private laboratories, pharmaceutical companies and clinical trial centres on a global scale and is particularly well established in the Middle-East, Europe and Asia.

The International Division of Eurofins Biomnis is organised in such a way as to optimise and ensure the best service levels to our International clients. It provides a remote and highly responsive customer support through a dedicated team and will cater for all of your patient's requirements including: preanalytical advice, local, technical and logistical support as and when required, test information and post-analytical provision of clinical advice, through Eurofins Biomnis' network of 45 expert clinical pathologists.

The principal role of the International Division is to:

- Provide remote, highly responsive customer support via a dedicated account manager.
- Facilitate client contact with our network of 45 expert clinical pathologists.
- Coordinate with Eurofins Biomnis representatives within the country of operation where relevant, to provide local/technical/logistical support as and when required.
- Above all, ensure client satisfaction and maintain close working relationships.

USEFUL CONTACTS

CONTACT Eurofins Biomnis INTERNATIONAL

International Division

T. +33 4 72 80 23 85 – F. +33 4 72 80 73 56
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Saturday: 9:00 am – 12:00 pm (GMT+1)
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MEDICAL PATHOLOGY TEST GUIDE

Referencing the specialized medical test guide on-line

Updated daily, our test guide provides direct access to information on all of the tests offered at Eurofins Biomnis, including preanalytical information, methodologies, clinical significance, forms to be included, stability...

[@ www.eurofins-biomnis.com](https://www.eurofins-biomnis.com) → /en/Test guide

Prior notice of changes to the test guide is given through, a monthly newsletter called "Biomnis & Vous".

You may wish to be enrolled in Eurofins Biomnis mailing list to receive the monthly Eurofins Biomnis letter, if so, please provide us your contact details at international@biomnis.com.

Medical Pathology Test Guide in digital format

Eurofins Biomnis also offers a version of the Medical Pathology Test Guide in the form of digital catalogue: "The Digital Test Guide".

This complete version of the Eurofins Biomnis Test Guide is updated monthly and is made available online at the end of month, ready to come into effect on the 1st day of the following month.

Downloadable in pdf format, the Medical Pathology Test Guide allows you to have a version of the catalogue that is always up-to-date for use off-line.

Access the Medical Pathology Test Guide in digital format at www.eurofins-biomnis.com.

[@ www.eurofins-biomnis.com](https://www.eurofins-biomnis.com) → /en/Test guide

PROFILES AND PANELS

[@ www.eurofins-biomnis.com](https://www.eurofins-biomnis.com) → /en/Services → Profiles and panels

- Allergy
- Autoantibody
- Neonatal screening
- Infectious disease
- Hormones
- Haematology
- Drug of abuse screens

DYNAMIC TESTS

Dynamic tests

Eurofins Biomnis makes a list of dynamic tests available to its clients. It is possible to print them.

[@ www.eurofins-biomnis.com](https://www.eurofins-biomnis.com) → /en/Services → Dynamic tests

SUPPLIES

The procedures for sampling, labelling and storage of the biological samples are described in this guide. It is important to follow these procedures in order to facilitate the processing of your samples. Failure to comply with the sampling, labelling and storage conditions constitutes a major non-conformity criterion which could lead to the inability to perform the analysis requested.

Eurofins Biomnis supplies shipping materials and useful documents for your routine practice, free of charge on request. The material request form must be used to request the supply of test request forms, practical documents, transport bags, sampling kits or specific transport media. This request form is available from your local agent or from the or from your dedicated key account manager.

REQUEST FORMS AND OTHER DOCUMENTS

We encourage you to use Eurofins Biomnis request forms which contain all the information needed to process samples. If using other forms, ensure that they contain all the information requested and please follow the following instructions: no staples, adhesive tape, paper clips or highlighting or double-sided printing.

The ISO 15189 norm highlights the importance of clinical details to enable the most complete results interpretation. You may find on the Eurofins Biomnis website (www....) the required information or the specific clinical information form (if applicable) required for testing.

[@ www.eurofins-biomnis.com](https://www.eurofins-biomnis.com) → **/en/Test guide**

Preparing samples for dispatch to Eurofins Biomnis

1

- Check the preanalytical conditions against the test guide for the relevant laboratory test at www.eurofins-biomnis.com/en/services/test-guide/
- Send **one tube** per test
- Decant the plasma and serum samples
- For tests over several days (e.g., faeces), send all samples together in one shipment.
- Send sufficient quantities for measurement of all of the requested parameters.

2



Ensure bottles of urine are properly closed

3



- Last name + first name
- gender of the patient
- Date of birth
- Date of sampling

Ensure patient details are exactly the same on the sample and order form.

4



- Fill out the **test order form** and remember to include your **client identification details**.
- Always specify:
 - The **date and time** of sampling
 - Any **clinical details** needed to interpret the results (specific sheets are available for certain tests, see test guide)
 - Attach regulatory documents (patient's informed consent form), if applicable

4 TYPES OF BAG



AMBIENT FROZEN REFRIGERATED MYCOBACTERIA

5

1 bag = 1 patient = 1 temperature



6



Place the sample in the main airtight pocket

7



Slip the documents into the front pocket so that the tests are **visible** through the bag.

8



Peel off the silver strip and seal both pockets

Full information and all documents relating to the tests offered by Eurofins Biomnis can be found in the test guide for the respective test at: <https://www.eurofins-biomnis.com/en/services/test-guide/>

CONTACT
international@biomnis.eurofnseu.com

TEST PROCEDURE

All tests are carried out in compliance with written standard operating procedures that are updated in conjunction with any development in the method used. Any modification to a test method that could affect result expression or reference values is subject to a memo that is addressed to referring laboratories.

The preparation, set-up and biological and analytical validation of tests are subject to written procedures. The internal quality control policy for each test is described in details in terms of control samples, testing conditions, acceptability guidelines and actions to be taken in cases of anomalies.

Eurofins Biomnis' participation in different external quality control programmes enables the methods used to be validated and allows any abnormalities to be detected.

RESULT TURNAROUND TIMES

The turn-around-times indicated in the test guide correspond to the maximum time needed for the result to be released.

It is calculated from the time/date the sample is registered at Eurofins Biomnis, **providing the file is complete (date of birth, sex of the patient, clinical data essential for the analysis, clinical information sheet, or regulatory documents, if applicable).**

It does not take into account Sundays, bank holidays, complementary verifications or the addition of reflex tests. If clinical details/information are specifically requested but not provided, the turn-around time cannot be maintained.

RESULTS

Test results are returned in compliance with regulations to ensure confidentiality according to the information provided by the referring laboratory.

By telephone

T: +33 4 72 80 23 85

Monday - Friday: 8:30 am - 6:30 pm (GMT+1) - Saturday: 9:00 am - 12:00 am (GMT+1)

Email: International@biomnis.eurofinseu.com

By FAX

Results can be faxed to the referring laboratory, either systematically following configuration in our information system, or occasionally on express request.

By HPRIM Connection

The results can be released by HPRIM connection to the laboratory in compliance with the specifications provided by HPRIM SANTÉ V2.2 and HPRIM Net V1.

These exchanges use secured Internet, S/MIME, through networks based on the SMTP and TCP/IP protocols. Authentication of the origin of the messages and the confidentiality of the data transferred are all assured.

To gain access to this service, please contact the International Division

Via the secure result server

Results are available to the referring laboratory via a secure results server:

- Round-the-clock access, 7 days a week, to the data related to any file you send us
- “Real-time” access to your patients’ results which are transferred on-line once they have been authorised
- The possibility to be notified (by fax or email) of an urgent result as soon as it is available
- The price of each file is indicated on the consultation screen

To be able to access this server, please contact your **Eurofins Biomnis International Division team**.

REGULATORY REQUIREMENTS

CYTOGENETICS AND MOLECULAR GENETICS

Prenatal diagnostics

- Article R2131-1 and subsequent passages from the French Public Health Code Decree
- Decree 2014-32 dated 14 January 2014
- Decrees from 14 January 2014

Please always include the following documents with the sample: the specific completed information form, the medical prescription, the clinical information form, the test request form, the written consent obtained from the pregnant woman.

Post-natal diagnostics

- Article R1131-5 from the French Public Health Code
- Decree dated 27 May 2013

ESTIMATION OF THE RISK OF FETAL TRISOMY 21 - PRENATAL BIOCHEMISTRY

- Ministerial decree of December 14, 2018 setting the rules of good practice in prenatal screening and diagnosis with the use of maternal serum markers of trisomy 21.

The documents required for the test to be performed are:

- the medical prescription
- the clinical information sheet containing the elements necessary for the calculation of risk as well as the standard form signed by the doctor and the patient, attesting to the information provided to the pregnant woman and her consent (text set by the Decret of December 14, 2018)
 - for the combined risk in the 1st trimester, the ultrasound report with the name and identifier of the sonographer, the date of the ultrasound, the measurements of the nuchal translucency and the cranio-caudal length
- Decree of December 14, 2018 setting the model of the documents mentioned in III of Article R.2131-2 of the Public Health Code.
- Decree of December 14, 2018 setting the terms and conditions for transmitting risk calculation data to the Agence de la biomédecine and the evaluation terms and conditions

TEST GUIDE

For any test that is not listed in this test guide, please contact the International Division before sending your samples:

Tel. +33 4 72 80 23 85 – Fax +33 4 72 80 73 56

Monday - Friday: 8:30 am - 6:30 pm (GMT+1) and Saturday: 9:00 am – 12:00 pm (GMT+1)

E-mail: International@biomnis.eurofinseu.com

You are now equipped with all the essential information needed to ensure the smooth processing and testing of your samples (pre-analytical information, prices etc.)

Samples

If a particular type of sample is not specified, its use is contraindicated.

Plasma

Unless otherwise specified, the term "Plasma" refers to EDTA or heparin plasma. Citrated, oxalated or fluorinated plasma is never required unless specifically requested.

Serum

Serum may be collected either in plain tubes or phase separating tubes. However, phase separating tubes should be avoided for medicinal product assays (absorption).

Non-haemolysed

Indicates that the presence of haemolysis, even minimal, may seriously impair the quality of the result.

Urine

Fresh samples must be collected. Unless otherwise specified, no additives or preservatives should be added to the specimen. For 24-hour specimens, the urine should be stored refrigerated unless specified otherwise.

Pre-analytical recommendations from the Study Group on Haemostasis and Thrombosis (GEHT):

Please send us a citrate sample that has been centrifuged and frozen.

Guidelines

1 Amprenavir

AMPRE

3 mL EDTA Plasma • < 4h 3

4 3 weeks • HPLC

1 T0 sample (before taking), T1h30 and T3h (after taking)

Attach the specific clinical information sheet (R6-INTFR: Antiretrovirals)

Amylase

7 AMY

2 1 mL heparinised serum or plasma • Refrigerated

1 day • Chemistry – Spectrophotometry 5

Aneuploidy of chromosomes 13, 18, 21, X and Y – Rapid diagnosis - QFPCR – Amniotic fluid - Prenatal

NCDR

2 mL fresh amniotic fluid (non-haemorrhagic) • Room temperature

1 to 2 days • QF-PCR

6

1 In order to ensure the traceability of samples, we ask you to contact Eurofins Biomnis International Division before sending any sample for this test.

Attach the medical prescription, the clinical information sheet, doctor's consultation certificate and patient's consent form in accordance with Article R.2131-1 of Decree 2006-1661 of 22 December 2006

2,5 Hexanedione - Urine

9 HEXA *

10 mL urine sample • Refrigerated

2 weeks • Gas chromatography / Flame ionisation detector

1 Glass bottle with PTFE stopper
Sample at end of work shift

8 T18: Glass bottle, PTFE stopper for solvents (provided on request)

Guidelines

- 1 Name of the reference test
- 2 Volume and type of sample
- 3 Sample storage and transportation:
 - The indication 'Refrigerated' indicates that the storage and transport temperature must lie between +2 °C and +8 °C
 - The indication 'Ambient temperature' indicates that the storage and transport temperature must lie between +15 °C and +25 °C
 - The indication 'FROZEN' indicates that the storage and transport temperature must be below -18°C. The indication < 4h indicates that the sample must be frozen within 4 hours of sample collection.
- 4 The turn-around-time corresponds to the maximum time needed for the result to be released. It is calculated from the time/date the sample is registered at Eurofins Biomnis, **providing the file is complete (date of birth, sex of the patient, clinical data essential for the analysis, clinical information sheet, or regulatory documents, if applicable)**. It does not take into account weekends, bank holidays, complementary verifications or after the addition of an extra test.
- 5 Method used for testing
- 6 Additional information concerning the test
- 7 Eurofins Biomnis code: this is the test code used to accurately identify the parameter. It is strongly advised to use this code on your request forms and when in communication with Eurofins Biomnis
- 8 Information about specific equipment to be used for the sampling.
- 9 Tests labelled with * are subject to further referral. The pre-analytical conditions are defined on the basis of the requirements of the performing laboratory

10-Hydroxy-carbazepine - serum

TRILE

1mL Serum (do not use tubes with separator gel) ° FROZEN

 4 days ° LCMS/MS

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Residual level sample (just before administration)
The following examinations can be performed on the same sample: Levetiracetam; Gabapentine; Lamotrigine; Oxcarbazepine/10-OH-Carbazepine; Topiramate.

11-Deoxycortisol - Compound S - serum

COMPS

2mL Serum ° Refrigerated

 1 week ° Chromatography - Extraction - Radioimmunoassay

-  CIRCADIAN RHYTHM: This biological molecule has a circadian rhythm (maximum concentration in morning), with a sufficiently significant amplitude to have an important influence on the clinical interpretation

11-Deoxycorticosterone - serum

DOC

1mL Serum ° Refrigerated

 2 weeks (if dilution/control needed - TAT 4 weeks ° Chromatography - Extraction - Radioimmunoassay

-  CIRCADIAN RHYTHM: This biological molecule has a circadian rhythm (maximum concentration in morning), with a sufficiently significant amplitude to have an important influence on the clinical interpretation

17-Hydroxy-Pregnenolone - serum

17PRE

2mL Serum ° Refrigerated

 2 weeks ° Chromatography - Extraction - Radioimmunoassay

-  CIRCADIAN RHYTHM: This biological molecule has a circadian rhythm (maximum concentration in morning), with a sufficiently significant amplitude to have an important influence on the clinical interpretation

17-Hydroxyprogesterone - serum

17OHP

1mL Serum ° Refrigerated

 2 days ° Radioimmunoassay

-  Specify the age, sex and phase of the cycle. For women, the sample must be taken at the start of the follicular phase

17 OH progestérone - saliva

17HSA

0.5mL Saliva ° FROZEN

 1 month ° ELISA

 SPECIAL OR DELICATE SAMPLE: the kit used to collect and transport the saliva sample is called a "Salivette". It is available upon request. Before sampling, the patient must observe a time of at least 30 minutes without consuming food or acidic beverages. It is very important not to contaminate the saliva sample with blood, therefore, it is necessary to avoid brushing teeth before collection. The collection protocol is described in the package insert accompanying the sampling kit.

 K5: Sample kit-Saliva

1-Hydroxypyrene - urine

HOPY *

10mL urine sample ° Refrigerated

 22 days ° Liquid Phase Chromatography / Fluorimetry

 Sample at end of work shift

 T9 : Urine flasks 70 ml

21-Deoxycortisol - serum

21DF

3mL Serum ° Refrigerated

 2 weeks (if dilution/control needed - TAT 4 weeks ° Chromatography - Extraction - Radioimmunoassay

 CIRCADIAN RHYTHM: This biological molecule has a circadian rhythm (maximum concentration in morning), with a sufficiently significant amplitude to have an important influence on the clinical interpretation

2,5-; 3,4-; 2,4-dimethylbenzoic acids - urine

ACDMB *

10mL urine sample ° Refrigerated

 2 weeks ° HPLC - High Performance Liquid Chromatography / UV detection

 Sample at end of work shift

 T9 : Urine flasks 70 ml

2,5-Hexanedione - urine

HEXA *

10mL urine sample ° Refrigerated

 2 weeks ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 Glass container with PTFE stopper, supplied upon request
Sample at end of work shift

 T18 : Glass flask, PTFE lid for organic solvents detection - urine

[-2]pro-PSA - Phi score calculation - serum

PRPSA

1mL Serum ° FROZEN

 6 days ° Enzyme-immunoassay

 Samples should be centrifuged and frozen within 3 hours of collection
In order to calculate the PHI (Prostate Health Index), [-2] proPSA, free PSA and total PSA are measured using the same technology; therefore it is not possible to use a referred result for free PSA and total PSA

2-thio-thiazolidine-4-carboxylic-acid - urine

TTCA *

5mL urine sample ° Refrigerated

 15 days ° HPLC - High Performance Liquid Chromatography / UV detection

 Collect the sample on a plastic container

 T9 : Urine flasks 70 ml

3-Alpha-Androstenediol Glucuronide - serum

GADIO

2mL Serum ° Refrigerated

 2 weeks ° Chromatography - Extraction - Radioimmunoassay

3-Hydroxybenzo[a]pyrene - benzo[a]pyrene metabolite - urine

3HBPY *

10mL urine sample ° Refrigerated

 21 days ° Liquid Phase Chromatography / Fluorimetry

 Sample 16 hrs after end of work shift on plastic container

4,4'-Methylenedianiline - urine

METDI *

10mL urine sample ° Refrigerated

 3 weeks ° HPLC/MS/MS

 Collect the sample on a plastic container
With sulphamic acid preservative (4 g)
Sample at end of work shift

50% haemolysis time - alternative pathway complement - serum

AP50 *

3mL Serum ° FROZEN

 2 months ° Enzyme-immunoassay

 Dispatch without delay after sampling (always within 48 hours)
Do not use gel tube

5-HIAA - 5-hydroxyindoleacetic acid - Urine

HIA

1tube(s) Homogenized 24H urine ° FROZEN

 4 days ° LCMS/MS

-  1 individual aliquot for this analysis.
Specify the diuresis (volume of urine of 24H).
Freeze quickly after the end of the collection.
Urines have to be stored refrigerated during the collection process
DIET: within 48 hours prior to the assay, avoid consuming bananas, chocolate, dried fruit, citrus fruit, avocados, tomatoes, plums, kiwis, pineapples and molluscs.
Do not transmit pot

 Tube for urine sample (4mL)-T28

5-Hydroxy-N-methylpyrrolidone - urine

5PYRO *

10mL urine sample ° Refrigerated

 21 days °

 Sample at end of work shift

 T9 : Urine flasks 70 ml

5-Methyltetrahydrofolate (MTHF) - CSF

5MTHX *

2mL CSF ° FREEZE before sending

 3 weeks °

5'-Nucleotidase - activity - serum

5NUC

1mL Serum ° Refrigerated

 2 days ° Chemistry - Spectrophotometry

7-Dehydrocholesterol

7DCHO *

1mL Serum or amniotic fluid : FROZEN, to be stored away from light ° FROZEN

 3 weeks ° Gas Phase Chromatography

-  According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
The samples must reach the laboratory from Monday to Wednesday only

Abacavir - plasma

ABACA *

3mL EDTA Plasma centrifuged immediately ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography

 Sample at TO (before intake) T1H and T3H (after intake)
Enclose the specific clinical information form (R6-INTGB :
Anti retroviral treatment)

ABCB1 gene : Identification of the rs2032583 and rs2235015 variants - whole blood

ABCB1 *

5mL EDTA whole blood ° Ambient temperature

 2 weeks ° Real-time PCR

 Enclose the specific B36-INTGB request form : ABCB1
gene
Sample must be refrigerated if transport is > 48 hours

ABO blood grouping - RH1(D)

GROUP

5mL EDTA whole blood (do not use tubes with separator gel) ° Refrigerated

 1 day ° Gel Filtration or Immunocapture method

 Enclose the specific clinical information form (R3-INTGB :
Immunology-haematology (IA))
Please specify the patients full civil status on the request
form and primary tube: maiden name, married name or
surname used, full first name, gender and date of birth.
Please send us the primary tube.
Please also send us any recent blood transfusion details
(in the last 4 months). Indicate any technical difficulties
encountered during ABO-RH1 blood group testing.
RH-KEL1 phenotyping is systematically performed for
ABO-RH1 grouping

ABO system immune antibodies - anti-A anti-B - screening and titration - serum

ABAC *

5mL Maternal serum ° Refrigerated

 8 days ° Hemagglutination in tube, indirect antiglobulin test

 ALWAYS provide the following information:
1/ ABO blood group of mother;
- ABO blood group of newborn;
- direct Coombs result for infant (positive result justifies
request);
- clinical data: neonatal jaundice
2/ Clinical data: immunocompromised state

ACE - Angiotensin Converting Enzyme

ECAPL *

1mL CSF supernatant ° FROZEN

 10 days ° Automated photometric technique

 Centrifuge the CSF and freeze the supernatant

ACE - Angiotensin Converting Enzyme - BAL

ECAD *

1mL BAL supernatant ° FROZEN

 1 week ° Radioimmunoassay

 Centrifuge the BAL and freeze the supernatant

ACE - Angiotensin Converting Enzyme - serum

ECA

1mL Non haemolysed serum ° Refrigerated

 2 days ° Chemistry - Spectrophotometry

 Do not use plasma (particularly EDTA)

Acebutolol - serum

ACEBS *

2mL Imperative serum volume (tubes with gel separators are forbidden) ° Refrigerated

 15 days ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
Always draw blood at the same time before another administration

Acepromazine - serum

ACEP *

2mL Serum ° FROZEN

 10 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Acetone - occupational health - urines

ACETU *

10mL Urine sample ° Refrigerated

 10 days ° Gas Phase Chromatography / FID detection

 Collect the sample on a plastic container
Sample at end of work shift

Acetone - whole blood

ACETO *

2mL EDTA whole blood or Heparin ° Refrigerated

 15 days ° Gas Phase Chromatography / FID detection

 Do not use tubes containing merthiolate
Sample at end of work shift

Acetylcholine Esterase - amniotic fluid

ACOLA

3mL Amniotic fluid ° Ambient temperature

 14 days ° Polyacrylamide gel electrophoresis

-  Amniotic fluid before centrifugation, essential in case of haemorrhagic sample ALWAYS attach:
- the pregnancy data: date of pregnancy, number of fetuses, number of sacs sampled in case of twin pregnancy, ultrasonographic signs, abnormally high AFP level in serum Down's syndrome test, Depakine® treatment
 - the medical prescription, medical certificate and patient consent form in accordance the regulation

Aciclovir - plasma

ACICL *

2mL Heparin Plasma ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography

-  Sample to be frozen within 1 hour. Home sampling is not advisable.
- Sample treatment:
- centrifuge the sample for 10 min at 4000 rpm and at 4°C,
 - settle

- freeze the plasma immediately

Specify the dose administered, the administration and sampling times, the patient's weight. Confirm if the patient suffers from renal deficiency

Sample:

- T0 before infusion (residual level)
 - T1hr at end of infusion (peak)
- 1 individual aliquot for this analysis.

Acid a-glucosidase (GSD II)

AGL2 *

Muscle (3mg): Frozen
2 mL sang total EDTA : Ambient °

 3 weeks °

Acid hydrolases - activity - serum

HYDAA *

2mL Serum ° FROZEN

 1 month ° Thin Layer Chromatography

-  1 individual aliquot for this analysis.

Acid phosphatases total - serum

PAT

1mL Serum ° Refrigerated

 2 days ° Chemistry - Spectrophotometry

1mL Plasma EDTA + Aprotinine - not hemolysed ° FROZEN

 1 day ° Electrochemiluminescence

-  If need be to specify a sample taken in the morning or in the evening, please select the specific analysis codes:
Sampling done between 7 a.m. and 10 a.m. : ACTHM
Sampling done in the evening: ACTHS
If sampling on EDTA tube: on cooled tube, refrigerated centrifugation, immediate decantation and freezing
Not to be performed on haemolysed sample
1 individual aliquot for this analysis.
CIRCADIAN RHYTHM: This biological molecule has a circadian rhythm (maximum concentration in morning), with a sufficiently significant amplitude to have an important influence on the clinical interpretation
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

 T2 : EDTA + aprotinine tube

ACTH - Corticotrophin - evening

ACTHS

1mL Plasma EDTA + Aprotinine - not hemolysed ° FROZEN

 1 day ° Electrochemiluminescence

-  If sampling on EDTA tube: on cooled tube, refrigerated centrifugation, immediate decantation and freezing
Not to be performed on haemolysed sample
Provide an individual aliquot for this assay
CIRCADIAN RHYTHM: This biological molecule has a circadian rhythm (maximum concentration in morning), with a sufficiently significant amplitude to have an important influence on the clinical interpretation
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

 T2 : EDTA + aprotinine tube

ACTH - Corticotrophin - morning

ACTHM

1mL Plasma EDTA + Aprotinine - not hemolysed ° FROZEN

 1 day ° Electrochemiluminescence

-  If sampling on EDTA tube: on cooled tube, refrigerated centrifugation, immediate decantation and freezing
Not to be performed on haemolysed sample
Provide an individual aliquot for this assay
CIRCADIAN RHYTHM: This biological molecule has a circadian rhythm (maximum concentration in morning), with a sufficiently significant amplitude to have an important influence on the clinical interpretation
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

 T2 : EDTA + aprotinine tube

Activated Partial Thromboplastin Time - aPTT - plasma

TCA

2mL Citrated Plasma ° FROZEN

 1 day ° Chronometric method

-  If possible, please specify if the patient is on an anticoagulant treatment as well as the clinical context. In case of investigation of a prolonged aPTT without further information, a measurement of factors VIII, IX, XI will be performed in addition to aPTT. In a pre-surgical context, investigation for circulating anticoagulant is limited to aPTT, aPTT patient + control, and calculation of the Rosner index.
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Activated protein C resistance - plasma

RPC

2mL Citrated Plasma ° FROZEN

 1 day ° Chronometric method

-  Please specify whether factor V Leiden should be performed if the activated protein C resistance test is positive (please ensure to enclose a consent form from the patient in accordance with the regulatory requirements, as well as 5 mL EDTA whole blood)
[To be translated]
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Active glyphosate - screening and dosage - plasma

GLYPH *

4mL Sodium heparin plasma ° FREEZE before sending

 2 weeks ° LCMS/MS

-  Specimen must be referred immediately after sampling
Special trace element tubes (sodium heparin) are recommended. The use of vacuum tubes is recommended.
In order to avoid the risk of external pollution:
Do not sample at the contaminated site.
The skin must be washed with disinfectant before sampling.

 T4 : Sodium Heparin tube

Active glyphosate - screening and dosage - urines

GLYPU *

4mL Urines ° FROZEN

 4 weeks ° LCMS/MS

Active glyphosate - screening and dosage - whole blood

GLYPS *

4mL EDTA whole blood ° FREEZE before sending

 2 weeks ° LCMS/MS

 Specimen must be referred immediately after sampling
Special trace element tubes (sodium heparin) are recommended. The use of vacuum tubes is recommended.
In order to avoid the risk of external pollution:
Do not sample at the contaminated site.
The skin must be washed with disinfectant before sampling.

activity - EDTA whole blood spot on Guthrie card

GAA *

[Indéfinie] EDTA whole blood spot on Guthrie card ° Ambient temperature

 6 weeks ° Spectrofluorimetry

 Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
Check the specific protocol for sampling and storage (K16P)
stability 7 days ambient

 K16 : blotting paper

Acylcarnitine - . - blotting paper

ACYBX *

Guthrie card only ° Ambient temperature

 1 week ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

Acylcarnitine - profile - plasma

ACYLC *

1mL Heparin Plasma ° Frozen

 20 days ° Mass spectrometry (MS)

 Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.
Centrifuge and settle within one hour following sampling

Acylcarnitine - profile - urine

ACYLU *

Urine ° FROZEN

 20 days °

 T9 : Urine flasks 70 ml

Adalimumab

ADAL

1mL Serum ° Refrigerated

 14 days ° Enzyme-immunoassay

-  Avoid lipid sera and samples that have been frozen/defrosted more than once.
Always draw blood at the same time before another administration
Please attach the specific clinical information sheet (R46 : Anti-TNF)

Adefovir - plasma

ADEF *

3mL EDTA Plasma centrifuged immediately ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography

-  Enclose the specific clinical information form (R6-INTGB : Anti retroviral treatment)
1 individual aliquot for this analysis.

Adenosine Deaminase - ADA

ADAD *

2mL Serum, pleural or ascite fluid or CSF ° Refrigerated

 6 weeks ° Spectrophotometry

-  accept : frozen
Not to to be performed on haemolysed sample
Stability 7 days refrigerated

Adenovirus - direct diagnosis - PCR

ADNVB

Rhinopharynx, bronchial secretions, BAL, Eye, Stools, urine (first draft, without preservative, 5 mL), serum or EDTA whole blood (1 mL minimum), CSF (0.5 ml minimum), biopsy (digestive, hepatic, pulmonary): Refrigerated °

 3 days ° Real-time PCR

-  The use of the S14UK transport bag is Mandatory.
other biological samples must not be diluted, to be sent in a plain tube
Swab collection requires the use of a virus transport medium provided in the K13 kit.
-  K1: Virus screening kit by culture or PCR

Adenovirus - screening - Stools

ADENS

Stools ° Refrigerated

 1 day ° Enzyme-immunoassay

-  The use of the S14UK transport bag is Mandatory.
-  S14: Special mycobacteria transport bags are to be used

Adenovirus - serology - serum

ADENO

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° SERION ELISA classic

Adenylosuccinase - deficiency syndrome screening - urine

SAICA *

10mL 24hr or random urine sample ° FROZEN

 8 weeks °

 Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)

 T9 : Urine flasks 70 ml

ADH - Antidiuretic hormone

ADH

3mL Plasma EDTA + Aprotinine - not hemolyzed ° FROZEN

 7 days ° Radioimmunoassay

 Spin down in a refrigerated centrifuge
1 individual aliquot for this analysis.
Freeze the sample within 1 hour after sampling

ADH - Antidiuretic hormone - urine

ADHU

1tube(s) Non acidified 24hrs urine collection ° FROZEN

 7 days ° Radioimmunoassay

 Tube for urine sample (4mL)-T28

Adiponectin - serum

ADIPO *

1mL Serum ° FROZEN

 40 days ° Enzyme-immunoassay

 1 specific aliquot for this analysis
Centrifuge, Decant, Freeze the serum sample within 1 hour

Adult food allergy panel - specific IgE

PANAA

2mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay - Phadia-ThermoFisher Scientific

 Use the specific request form B62: allergological panel

Adult respiratory allergy panel - Ige spécifiques

PANRA

2mL Serum ° Refrigerated



3 days ° Fluorescent enzyme-immunoassay - Phadia-ThermoFisher Scientific



Use the specific request form B62: allergological panel

Aerobic / anaerobic bacteria - MIC: Minimum Inhibitory Concentration

CMI

*

Freshly replated colony in adapted atmosphere ° Ambient temperature



3 to 5 days (variable depending on the species) ° E test, bulk liquid medium



Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology



S10: Diagnobox (three layers of sealed packaging)

Aerobic bacterium - identification

IBA

*

Freshly replated colony ° Ambient temperature



8 to 10 days ° Mass spectrometry (MS)



Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology



S10: Diagnobox (three layers of sealed packaging)

Aerobic bacterium - screening

RBA

*

[To be translated] ° Refrigerated



2 weeks ° Culture on special media and in suitable atmospheric conditions



The use of the S14UK transport bag is Mandatory. Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology
Blood culture bottles are not accepted
Aerobic and Anaerobic bacterium screening are performed simultaneously. Susceptibility test performed if appropriate. Pricing will vary depending on the number of bacteria found.



S14: Special mycobacteria transport bags are to be used

Aerobic bacterium - susceptibility testing

ATBSM

*

Freshly replated colony in adapted atmosphere ° Ambient temperature



1 week ° Gel media diffusion and Minimum Inhibitory Concentration according to bacteria and/or sample origin



Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology
Aerobic and Anaerobic bacterium screening are performed simultaneously. Susceptibility test performed if appropriate. Pricing will vary depending on the number of bacteria found.



S10: Diagnobox (three layers of sealed packaging)

AFP - Alpha-fetoprotein - amniotic fluid**AFPLA**

3mL Amniotic fluid ° Ambient temperature

 14 days ° Fluoro-Immunoassay (time resolved)

-  Amniotic fluid before centrifugation, essential in case of haemorrhagic sample ALWAYS attach:
- the pregnancy data: date of pregnancy, number of fetuses, number of sacs sampled in case of twin pregnancy, ultrasonographic signs, abnormally high AFP level in serum Down's syndrome test, Depakine® treatment
 - the medical prescription, medical certificate and patient consent form in accordance the regulation

AFP - Alpha fetoprotein - fluid**AFPD**

1mL Miscellaneous Fluid ° Refrigerated

 1 day ° Electrochemiluminescence

-  ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

AFP - Alpha fetoprotein - serum**AFP**

1mL Serum ° Refrigerated

 1 day ° Electrochemiluminescence

-  ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

AFP: Maternal serum marker - 2nd trimester of pregnancy - serum**AFP21**

3mL Serum (do not use plasma) ° Refrigerated

 2 days ° Fluoro-Immunoassay (time resolved)

-  Non hemolysed, non-icteric, non lipemic sample. Sample must be centrifuged as quickly as possible and international samples must be frozen within 4 hours of sampling.
- Please conserve an additional sample in your serolibrary until you have received the result.
- In accordance with French regulation, ALWAYS attach the prescription, a copy of the ultrasound report and a copy of the patient consent form, signed by both the patient and the physician.

Albumin**ALB**

1mL serum ° Refrigerated

 1 day ° Immuno turbidimetry

-  ALWAYS specify the patient's age and gender

Albumin - aspiration biopsy

ALBD

1mL Aspiration biopsy ° Refrigerated

 2 days ° Immuno turbidimetry

Albumin - CSF

ALBPL

1mL CSF ° Refrigerated

 1 day ° Immuno turbidimetry

Aldolase - serum

ADOLA

1mL Non haemolysed serum ° Refrigerated

 1 day ° Chemistry - Spectrophotometry

 blood draw preferentially after a 30-min resting period

Aldosterone

ALDO

1mL Plasma EDTA ° FROZEN

 2 days ° Radioimmunoassay

 Optimal sampling conditions according to SFE / SFHTA / AFCE: in the morning, more than 2 hours after waking up, in a sitting position after 5 to 15 minutes, with normal dietary salt intake, normal kalemia, and without antihypertensive drugs that significantly interfere with the renin-angiotensin-aldosterone system. Antihypertensive medications that can be maintained during exploration include alpha-blockers and calcium channel blockers. Do not refer haemolysed or lipemic samples.
DIET INFORMATION: our reference ranges are only valid for a normal salt intake (80-250mEq/24hrs natriuresis)
Specify standing or inclined:
Sampling in vertical position after 1 hour of walking: ALDOD
Sampling in the reclined position, after 1 h in the supine position: ALDOC

Aldosterone - Lying down

ALDOC

1 Plasma EDTA ° FROZEN

 2 days ° Radioimmunoassay

 Do not refer haemolysed or lipemic samples.
DIET INFORMATION: our reference ranges are only valid for a normal salt intake (80-250mEq/24hrs natriuresis)
Specify upright or reclined (Sampling in upright position after 1 hr of walking; sampling in the reclined position after 1 hr in supine position)

Aldosterone - Standing or Sitting position

ALDOD

1 Plasma EDTA ° FROZEN

 2 days ° Radioimmunoassay

-  Do not refer haemolysed or lipemic samples.
DIET INFORMATION: our reference ranges are only valid for a normal salt intake (80-250mEq/24hrs natriuresis)
Specify upright or reclined (Sampling in upright position after 1 hr of walking; sampling in the reclined position after 1 hr in supine position)

Aldosterone - urine

ALDOU

1tube(s) Non acidified 24hrs urine collection ° FROZEN

 5 days ° Radioimmunoassay

-  Specify diuresis
DIET INFORMATION: our reference ranges are only valid for a normal salt intake (80-250mEq/24hrs natriuresis)
-  Tube for urine sample (4mL)-T28

Alimemazine - Serum

ALIM *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 11 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Alkaline phosphatases bone

PALO

1mL serum not aemolysed ° FROZEN

 1 day ° Chemiluminescence

-  1 individual aliquot for this analysis.
Gel tubes must be decanted before referral in order to avoid haemolysis at the defrosting stage.
Not to be performed on EDTA plasma

Alkaline phosphatases - isoenzymes - serum

IPAL

2mL serum (do not use 10 mL tube) ° Refrigerated

 2 days ° Electrophoresis

-  Not to be performed on haemolysed sample

Alkaline phosphatases - serum

PAL

1mL Serum ° Refrigerated

 2 days ° Chemistry - Spectrophotometry

 Not to be performed on EDTA plasma

Allergic rhinitis profile - specific IgE

PRORH

2mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay - Phadia-ThermoFisher Scientific

 Use the specific request form B62: allergological panel

Alpha-1 Antitrypsin - clearance

CLALF

[Indéfinie] Total 24H stool + 1 mL serum (heparinized plasma accepted) ° Refrigerated

 7 days ° Nephelometry or Turbidimetry

 Recueil des selles sur 24, 48 ou 72 heures + un seul sérum prélevé dans la période des 3 jours de recueil.
Si recueil sur 2 ou 3 jours, transmettre le tout en un seul envoi en précisant la durée du recueil
L'échantillon sérique doit IMPÉRATIVEMENT accompagner le prélèvement de selles (en Fast-lab 3*, les deux échantillons doivent également être transmis dans le même sachet).
If no serum is included, the A1TRS:alpha 1 antitrypsin - stool analysis will be performed
Merci d'accrocher les prélèvements de selles et de sérum avec un élastique

 T10 : Stool container 1l

Alpha-1 Antitrypsin - dosage - serum

ALFA1

1mL Serum ° Refrigerated

 2 days ° Nephelometry

 Please specify the patient gender, age and the possible treatment (ALFALASTIN)

Alpha-1 Antitrypsin - PI phenotype - serum

PIH

2mL Serum ° Refrigerated

 14 days ° Isoelectric focusing

Alpha-1 Antitrypsin (SERPINA1 Gene) - Genotyping of S and Z variants (mutations p.Glu264Val and p.Glu342Lys)

A1BM

5mL 5 mL total blood EDTA : refrigerated, 1 mL serum : refrigerated °

 18 days ° PCR-RFLP

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Sample must be refrigerated if transport is > 48 hours
Enclose the specific B12-INTGB request form: Molecular Genetics

Alpha-1 Antitrypsin - stool - stool

A1TRS

[Indéfinie] Total of 24 hour stool samples ° Refrigerated

 7 days ° Nephelometry

 Enclose the specific clinical information form (R29-INTGB : Functional Coprology)
1 individual aliquot for this analysis.
[To be translated]
[To be translated]

 T10 : Stool container 1l

Alpha-1 Microglobulin - urine

ALFMU *

1tube(s) 2nd Early morning urine ° Refrigerated

 1 week ° Nephelometry

 Tube for urine sample (4mL)-T28

Alpha-2 Antiplasmin - activity - plasma

A2PLA

1mL Citrated Plasma ° FROZEN

 1 week ° Chromogenic method

 Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.

Alpha-2 Macroglobulin - serum

ALFA2

1mL Serum ° Refrigerated

 2 days ° Immuno turbidimetry

 ALWAYS specify the patient's age and gender

Alpha aminoadipic semialdehyde

AASAX

*

[Indéfinie] 2 mL plasma or 20 mL urines ° FREEZE before sending

 4 weeks °

Alpha-galactosidase A - EDTA whole blood spot on Guthrie card

ALGAL

*

[Indéfinie] EDTA whole blood spot on Guthrie card ° Ambient temperature

 6 weeks ° Spectrofluorimetry

 Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
Check the specific protocol for sampling and storage (K16P)
stability 7 days ambient

 K16 : blotting paper

Alpha subunit - hCG, FSH, LH, TSH - serum

ALPHA

1mL Serum ° FROZEN

 1 week ° Radioimmunoassay

Alpha-Thalassemia - gene study - whole blood

ATHAX

*

10mL EDTA whole blood ° Ambient temperature

 30 days ° PCR

 Enclose the specific B12-INTGB request form: Molecular Genetics

Alprazolam - Serum

ALPR

*

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Alprazolam - urine

ALPRU

*

1tube(s) Urine ° FROZEN

 10 days ° GPC/MS - HPLC/UV-BD

 Tube for urine sample (4mL)-T28

Aluminium

ALU

2mL Sodium heparin plasma, heparinized plasma, lithium heparin plasma (do not use tubes with separator gel) ° Refrigerated

 8 days ° Atomic absorption or ICP-MS

 Spin down and immediately decant plasma from cells. Immediately decant the plasma.(maximum 1 hour)

 T4 : Sodium Heparin tube

Aluminium - urines

ALUU *

10mL 24hr Urine collection ° Refrigerated

 10 days ° Atomic absorption

 Sample at end of work shift and at end of working week

 T9 : Urine flasks 70 ml

AMH - Anti-Müllerian hormone - Child - serum

AMHE

1mL Serum ° Refrigerated

 2 days ° Electrochemiluminescence

 Only for children under 15 years of age
Not to to be performed on haemolysed sample
Attach the clinical data
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

AMH - Anti-Müllerian hormone - serum

AMH

1mL Serum ° Refrigerated

 2 days ° Electrochemiluminescence

 ALWAYS attach the clinical and ultrasound information
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Amikacin - serum

AMI

1mL Serum ° FREEZE before sending

 1 day ° Immuno chemistry

 1 specific aliquot for this analysis
Enclose the specific clinical information form (R18-INTGB : Infectious agents)
Residual level = before injection; Peak = 30 min after end of infusion or 1 hr after IM injection

Amino acids - chromatography

AAS

1mL heparinised plasma (do not use tubes with gel separators) ° FROZEN

 1 week ° UPLC-MS

-  Enclose the specific clinical information form (R1-INTGB : Amino Acids - Organic Acids)
Fasting sample
Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.

Amino acids - chromatography - CSF

AALCR *

1mL CSF ° FROZEN

 4 weeks ° HPLC - High Performance Liquid Chromatography

-  Enclose the specific clinical information form (R1-INTGB : Amino Acids - Organic Acids)
Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
Sample to be frozen within 1 hour. Home sampling is not advisable.

Amino acids - chromatography - urine

AAU

2tube(s) Early morning urine (fasting) ° FROZEN

 1 week ° UPLC-MS

-  Enclose the specific clinical information form (R1-INTGB : Amino Acids - Organic Acids)
Fasting sample
Sample to be frozen within 1 hour. Home sampling is not advisable.
The urine creatinine level, essential information for the result interpretation, is systematically performed
-  Tube for urine sample (4mL)-T28

Amiodarone - serum

AMIO

3mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° LCMS/MS

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
Freeze the sample within 4 hours after sampling
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration

Amisulpride - Serum

AMISU *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Amitriptyline - Serum

AMIT *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° GCMS

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration

"AML" panel (Acute myeloid leukaemia)

MYSLA

2 ml EDTA bone marrow or 2 x 5 ml EDTA whole blood if blast infiltration into the periphery is significant or DNA extracted :
(200ng of DNA minimum) ° Ambient temperature

 10 days (Results may require an extended turnaround time, one week, depending on the confirmation tests required by Sanger

-  Sample must be refrigerated if transport is > 48 hours
Samples to be collected from Monday to Wednesday
Use the specific request form B8-INTGB: Malignant blood disorders
Attach:
 - the results of the FBC-platelets
 - the myelogram report
 - the immunophenotyping report

 S9L: Envelopes yellow for karyotypes LYON

Ammoniaemia - plasma

AMMO

1mL Decanted, non lipemic, non haemolysed EDTA plasma ° FROZEN

 1 day ° Chemistry - Spectrophotometry

-  1 individual aliquot for this analysis.
SPECIAL OR DELICATE SAMPLE: the tubes, sampled from the fasting patient, must be filled completely and remain perfectly sealed. Immediately place the blood on ice, perform a refrigerated centrifugation, settle the plasma and freeze within 20 minutes following sampling. Lipaemic and/or hemolysed samples must be removed. Sampling on EDTA only

Amoebiasis - serology - serum

AMIB

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Hemagglutination + ELISA

Amoxapine - Serum

AMOS *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Amoxicillin - Serum

AMOX *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography

 Centrifuge the sample and decant rapidly
Enclose the specific clinical information form (R18-INTGB :
Infectious agents)

Amphetamines confirmation - blood test

AMPHS

1mL Fluor plasma in first intention. Lithium heparin plasma accepted. Do not use separator gel. ° Refrigerated

 10 days ° Liquid chromatography / Tandem mass spectrometry
(LC-TMS/MS)

 Spin down and immediately decant plasma from cells.
Immediately decant the plasma.(maximum 1 hour)
[To be translated]

Amphetamines - confirmation - urine

AMPHC *

1tube(s) urine ° Refrigerated

 2 weeks ° Gas Phase Chromatography / Mass Spectrometry
(GC-MS)

 Always indicate the clinical context
[To be translated]

 Tube for urine sample (4mL)-T28

Amphetamines - gastric juice

AMPHD *

15mL Gastric fluid ° FROZEN

 2 weeks ° Gas Phase Chromatography / Mass Spectrometry
(GC-MS)

 [To be translated]

Amphetamines - screening - urine

AMPHU

1tube(s) Random urine ° Refrigerated

 1 day ° Kinetic interaction of microparticles in solution (KIMS)

 [To be translated]

 Tube for urine sample (4mL)-T28

Amphotericin B - Serum

AMPHO *

1mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography /
DAD

 Enclose the specific clinical information form (R13-INTGB :
Medication quantification)
1 individual aliquot for this analysis.
Residual level = before injection; Peak = 30 min after end
of infusion or 1 hr after IM injection

Amprenavir - Serum

AMPRE *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography

 Sample at T0 (before intake) T1H30 and T3H (after intake)
Enclose the specific clinical information form (R6-INTGB :
Anti retroviral treatment)

Amylase - aspiration biopsy

AMYD

1mL Aspiration biopsy ° Refrigerated

 2 days ° Chemistry - Spectrophotometry

Amylase - serum

AMY

1mL Serum ° Refrigerated

 2 days ° Chemistry - Spectrophotometry

Amylase - urine

AMYU

1tube(s) 24hr Urine collection or Early morning urine ° Refrigerated

 1 day ° Chemistry - Spectrophotometry

 Specify diuresis
 Tube for urine sample (4mL)-T28

Anaerobic bacterium - identification

IDANA *

Freshly replated colony ° Ambient temperature

 1 week ° Mass spectrometry (MS)

 Enclose the specific request form B18 : Bacteriology-
Parasitology-Mycology
Tight container supplied upon request, always indicate the
origin of the sample
 S10: Diagnobox (three layers of sealed packaging)

Anaerobic bacterium - susceptibility testing

ATBAN *

Freshly replated colony in adapted atmosphere ° Ambient temperature

 1 week ° Agar gel diffusion

 Enclose the specific request form B18 : Bacteriology-
Parasitology-Mycology
 S10: Diagnobox (three layers of sealed packaging)

Aneuploidy screen by QF-PCR for chromosomes: 13,18,21,X et Y

NCDR

2mL Fresh amniotic fluid (non haemorrhagic), Chorionic villus sampling ° Ambient temperature

 2 days ° QF-PCR

 For sample traceability purposes, we invite you to contact the International Division before sending samples
ALWAYS attach the medical prescription, the clinical patient's history and the consent form signed by both the patient and the prescribing clinical

Angelman / Prader-Willi Syndrome - SNRPN methylation

SNRPL

5mL Fresh or cultured amniotic fluid, fresh or cultured trophoblast ° Ambient temperature

 15 days ° Methyl-PCR bisulfite

 5 ml of whole blood on EDTA from each parent (quotation on request) is required to perform this test
Enclose the specific B12-INTGB request form: Molecular Genetics
ALWAYS attach the medical prescription, the clinical patient's history and the consent form signed by both the patient and the prescribing clinical

Angelman / Prader-Willi Syndrome - SNRPN methylation - whole blood

SNRPS

5mL EDTA whole blood ° Ambient temperature

 15 days ° Methyl-PCR bisulfite

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Enclose the specific B12-INTGB request form: Molecular Genetics

Angelman / Prader-Willi Syndrome - uniparental disomy - mechanism identification - amniotic fluid

DUPLA

5mL Amniotic fluid ° Ambient temperature

 1 week ° Microsatellites. Fluorescent sequence analysis (PCR)

 5 ml of whole blood on EDTA from each parent (quotation on request) is required to perform this test
ALWAYS attach the medical prescription, the clinical patient's history and the consent form signed by both the patient and the prescribing clinical

Angelman / Prader-Willi Syndrome - uniparental disomy - mechanism identification - whole blood

DUPO

5mL EDTA whole blood ° Ambient temperature

 1 week ° Microsatellites. Fluorescent sequence analysis (PCR)

 5 ml of whole blood on EDTA from each parent (quotation on request) is required to perform this test
According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Enclose the specific B12-INTGB request form: Molecular Genetics

Angiostrongylus cantonensis - serology - serum**AGYLU ***

1mL Serum ° Refrigerated

 1 month ° Western-Blot

Angiotensin II - plasma**ANGIO**

2mL EDTA Plasma ° FROZEN

 2 weeks (if dilution/control needed - TAT 4 weeks °
Radioimmunoassay Collect sample on a ice-cooled tube. Spin down in a
refrigerated centrifuge
1 individual aliquot for this analysis.
Freeze the sample within 1 hour after sampling

anisakiasis - Specific IgE and IgG4 - serum**ANIS**

1mL Serum ° Refrigerated

 1 week ° Fluorescent enzyme-immunoassay

Anti-21-hydroxylase antibodies - serum**21OHA**

1mL Serum ° FROZEN

 2 weeks (if dilution/control needed - TAT 4 weeks ° ELISA

Anti-acetylcholine receptor antibodies - serum**REAC**

1mL Non haemolysed serum ° FROZEN

 5 days ° Radioimmunoassay

Anti-actin antibodies - typing - serum**ACTIT**

1mL Serum ° Refrigerated

 2 days ° Immunofluorescence This test can only be performed in addition to test Anti-
smooth muscle antibodies (code MUSCX), and so long as
the results of the latter are positif (> 1/80)

Anti-adrenal gland antibodies - serum**SURAC**

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Immunofluorescence

Anti-annexin V antibodies - IgG - serum**ANNEX**

1mL Serum ° Refrigerated

 1 week ° Enzyme-immunoassay

Anti-asialoglycoprotein receptor antibodies - serum**ASIAx**

*

2mL Serum ° Refrigerated

 1 month ° Immunofluorescence

Anti-Basal Ganglia Antibodies (ABGA) - serum**AGBAX**

*

1mL Serum ° Refrigerated

 1 week ° Western-Blot

Anti-beta 2 glycoprotein 1 antibodies - B2GP1 - IgG - serum**B2GPI**

1mL Serum ° Refrigerated

 3 days ° Flow fluorimetry

Anti-beta 2 glycoprotein 1 antibodies - B2GP1 - IgM - serum**B2GPM**

1mL Serum ° Refrigerated

 3 days ° Flow fluorimetry

Antibiotic multi-resistant bacteria (MRB) - screening

BMR *

Strain: room temperature
Various samples: +4°C °

 1 week ° Culture on special media

 The use of the S14UK transport bag is Mandatory.
Enclose the specific request form B18 : Bacteriology-
Parasitology-Mycology

 S10: Diagnobox (three layers of sealed packaging)

Anti-C1q antibodies - serum

C1QAC

1mL Serum ° Refrigerated

 1 week ° Enzyme-immunoassay

Anti-calcium channel antibodies - serum

CALAC

1mL Serum ° FROZEN

 15 days ° Radioimmunoassay

 Cannot be performed on CSF

Anti-Calcium Sensing Receptor antibodies - serum

PTHYR *

1mL Serum ° Refrigerated

 1 month ° Immunofluorescence + RIA

Anti-cardiolipin antibodies - IgG - serum

CARD

1mL Serum ° Refrigerated

 3 days ° Flow Immunofluorimetry

Anti-cardiolipin antibodies - IgM - serum

CARDM

1mL Serum ° Refrigerated

 3 days ° Flow Immunofluorimetry

Anti-cyclic citrullinated peptide antibodies - CCP2 - serum

CITRA

1mL Serum ° Refrigerated

 1 day ° Chemiluminescence

 **ATTENTION:** interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Anti deamidated gliadin peptides antibodies IgA - IgA - serum

GLIAA

1mL serum (do not use 10 mL tube) ° Refrigerated

 2 days ° Fluorescent enzyme-immunoassay

 During the assay of the IgA anti-gliadin antibodies, if there is an alarm causing us to suspect a deficit in total IgA, the assay of total IgA and the assay of anti-transglutaminase IgG antibodies will be carried out in order to make the diagnosis of coeliac disease.

Anti deamidated gliadin peptides antibodies IgA - IgG - serum

GLIAG

1mL serum (do not use 10 mL tube) ° Refrigerated

 2 days ° Fluorescent enzyme-immunoassay

Antidepressants - screening - identification - dosage - urine

ANTU *

1tube(s) urine sample ° Refrigerated

 1 week ° LCMS/MS

 Always specify the clinical context : efficiency or toxicity
 Tube for urine sample (4mL)-T28

Antidepressants screening- identification - without dosage - Serum

TRICY *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week °

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration
Always specify the clinical context : efficiency or toxicity

Anti-DNA antibodies Double stranded DNA - serum**ADNAC**

2mL Serum ° Refrigerated

 3 days ° Flow Immunofluorimetry

Anti-DNA antibodies double stranded - Farr test - serum**FARR**

1mL Serum ° Refrigerated

 1 week ° Radioimmunoassay

Anti-elastase activity - serum**PELAS ***

1mL Serum ° Ambient temperature

 2 weeks ° Enzyme kinetics

Anti-ENA antibodies (SSA, SSB, Sm, Rnp, Jo1, Scl-70) - screening and titration - serum**ECT**

2mL Serum ° Refrigerated

 3 days ° Flow Immunofluorimetry

Anti-endomysium antibodies - IgA - serum**ENDOA**

1mL serum (do not use 10 mL tube) ° Refrigerated

 2 days ° Immunofluorescence For requests for an anti-endomysial antibody assay that does not specify which antibody to test for (IgA or IgG), IgA will be tested for in accordance with the recommendations

Anti-endomysium antibodies - IgG - serum**ENDOG**

1mL serum (do not use 10 mL tube) ° Refrigerated

 2 days ° Immunofluorescence For requests for an anti-endomysial antibody assay that does not specify which antibody to test for (IgA or IgG), IgA will be tested for in accordance with the recommendations

Anti-endothelial cell antibodies - serum**ENDOT ***

2mL Serum ° Refrigerated

 1 month ° Enzyme-immunoassay

Anti-epidermal basement membrane and intracellular substance antibodies - serum**PEAU**

1mL serum (do not use 10 mL tube) ° Refrigerated

 2 days ° Immunofluorescence Not to be confused with anti-glomerular basement membrane antibodies

Anti-epidermal basement membrane and intracellular substance antibodies Typing (BPAg2/BP180, BPAg1/BP 230,desmoglein 1, desmoglein 3, Envoplakine and collagen VII) - serum**BP180**

200µL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° ELISA

Anti-erythropoietin antibodies - serum**ACERY ***

2mL Serum ° FROZEN

 3 months ° Radioimmunoassay Attach the clinical data

Anti-exocrine pancreas antibodies - serum**PANAC ***

1mL Serum ° Refrigerated

 1 month ° Immunofluorescence Not to be confused with endocrine pancreas = islets of Langerhans

Anti-factor II antibodies - screening - plasma**ANTI2**

2mL Citrated Plasma ° Frozen

 2 days ° Chronometric method Enclose the specific clinical information form (R5-INTGB : Haemostasis)
1 individual aliquot for this analysis.
Quantification testing is performed for all positive screens
Factor II level is always performed for each Anti factor II request.
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Anti-factor IX antibodies - screening - plasma

ANTI9

2mL Citrated Plasma ° FROZEN

 2 days ° Chronometric method

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
1 individual aliquot for this analysis.
Quantification testing is performed for all positive screens
Factor IX level is always performed for each Anti factor IX request
Indicate the clinical context: treated haemophilia or suspicion of acquired haemophilia
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Anti-Factor V antibodies - screening - plasma

ANTI5

2mL Citrated Plasma ° FROZEN

 2 days ° Chronometric method

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
1 individual aliquot for this analysis.
Quantification testing is performed for all positive screens
Factor V level is always performed for each Anti factor V request
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Anti-factor VII antibodies - screening - plasma

ANTI7

2mL Citrated Plasma ° FROZEN

 2 days ° Chronometric method

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
Quantification testing is performed for all positive screens
Factor VII level is always performed for each Anti factor VII request
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Anti-factor VIII antibodies - screening - plasma

ANTI8

2mL Citrated Plasma ° FROZEN

 2 days ° Chronometric method

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
1 individual aliquot for this analysis.
Quantification testing is performed for all positive screens
Factor VIII level is always performed for each Anti factor VIII request
Indicate the clinical context: treated haemophilia or suspicion of acquired haemophilia
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Anti-factor XI antibodies - screening - plasma

ANT11

2mL Citrated Plasma ° FROZEN

 2 days ° Chronometric method

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
1 individual aliquot for this analysis.
Quantification testing is performed for all positive screens
Factor XI level is always performed for each Anti factor XI request
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Anti-factor XII antibodies - screening - plasma

ANT12

2mL Citrated Plasma ° Frozen

 2 days ° Chronometric method

-  1 specific aliquot for this analysis
Enclose the specific clinical information form (R5-INTGB : Haemostasis)
Measurement of anti factor XII antibodies is performed automatically if detection of anti-factor XII is positive
Factor XII level is always performed for each Anti factor XII request
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Anti-GAD antibodies - CSF

GADPL

1mL CSF ° Refrigerated

 3 days ° Immunodot

Anti-GAD antibodies - serum

GAD

1mL serum (do not use 10 mL tube) ° Refrigerated

 2 days ° Chemiluminescence

-  Serum not hemolysed

Anti-glomerular basement membrane antibody - serum

MBG

1mL Serum ° Refrigerated

 3 days ° Flow Immunofluorimetry

-  Not to be confused with anti-epidermal basement membrane antibodies

Anti-glycolipid antibodies - CSF**GM1PL**

500µL CSF ° Refrigerated

 4 days ° Immunoblot

Anti-glycolipid antibodies - serum**GM1**

1mL serum (do not use 10 mL tube) ° Refrigerated

 4 days ° Immunoblot

Anti-GP210 antibodies - serum**GPAC**

2mL Serum ° Refrigerated

 3 days ° Immunodot

Anti-histone antibodies - serum**HISAC**

1mL Serum ° Refrigerated

 1 week ° Enzyme-immunoassay

anti-HLA antibodies - classes I and II - transplant - serum**HLACX ***

5mL Serum ° FROZEN

 1 month ° Microlymphocytotoxicity assay

Anti HMGCR antibodies - serum**HMGCR**

1mL Serum ° Refrigerated

 7 days ° Chemiluminescence

Anti-IgA antibodies - serum**IGAAC ***

2mL Serum ° Refrigerated

 2 weeks ° Enzyme-immunoassay 2 specific aliquots for this analysis

Anti-insulin antibodies - serum**INSAC**

1mL Serum ° FROZEN

 1 week ° Radioimmunoassay

Anti-intrinsic factor antibodies - serum**ACFIN**

1mL Serum ° Refrigerated

 1 day ° Enzyme-immunoassay

Anti-islet cell antibodies - ICA - serum**ILO**

1mL serum (do not use 10 mL tube) ° Refrigerated

 2 days ° Chemiluminescence Serum not hemolysed

Anti-lactoferrin antibodies and anti carbonic anhydrase antibodies - serum**PANCR ***

2mL Serum ° Refrigerated

 5 weeks ° Enzyme-immunoassay

Anti-liver cytosol type 1 antibodies - LC1 - confirmation - serum**CYTOC**

1mL Serum ° Refrigerated

 3 days ° Immunodot

Anti-liver cytosol type 1 antibodies - LC1 - screening - serum**CYTOX**

1mL Serum ° Refrigerated

 2 days ° Immunofluorescence In the case of a positive screening test, perform typing

Anti-LKM antibodies - endoplasmic reticulum - screening - serum**LKMX**

1mL Serum ° Refrigerated

 4 days ° Immunofluorescence In the case of a positive screening test, perform typing

Anti-LKM antibodies - endoplasmic reticulum - typing - serum**LKMC**

1mL Serum ° Refrigerated

 3 days ° Immunodot

Anti-MAG antibodies - serum**MAG**

1mL serum (do not use 10 mL tube) ° Refrigerated

 2 weeks ° Enzyme-immunoassay

Anti-mitochondrial antibodies - screening and titration - serum**MITOX**

1mL Serum ° Refrigerated

 4 days ° Immunofluorescence

Anti-mitochondrial antibodies - typing - serum**MITOT**

1mL Serum ° Refrigerated

 3 days ° Immunodot

Anti-MOG antibodies - CSF**MOGPL**

300µL CSF ° Refrigerated

 7 days ° Immunofluorescence No compact or urine container for CSF samples

Anti-MOG antibodies - serum**MOG**

500µL serum (do not use 10 mL tube) ° Refrigerated

 7 days ° Immunofluorescence

Antimony - plasma**ANTIP ***

2mL Sodium heparin plasma ° Refrigerated

 3 weeks ° ICP/MS T4 : Sodium Heparin tube

Antimony - urine**ANTIU ***

urine sample ° Refrigerated

 3 weeks ° T9 : Urine flasks 70 ml

Anti-MPO antibodies - myeloperoxidase - serum**MPO**

2mL Serum ° Refrigerated

 3 days ° Flow Immunofluorimetry

Anti-MuSK antibodies - serum**MUSK**

1mL Serum ° Refrigerated

 15 days ° Enzyme-immunoassay

Anti-myelin antibodies - serum**ACMYE**

1mL serum (do not use 10 mL tube) ° Refrigerated

 7 days ° Immunofluorescence

Anti-Natalizumab antibodies - serum**TYSA ***

2mL Serum ° Refrigerated

 3 weeks ° Enzyme-immunoassay Collect sample 4 weeks after the last Natalizumab injection. Screening for anti Natalizumab antibodies must be requested at the same time

Anti nervous synaptics antibodies (anti- NMDAR, AMPAR1, AMPAR 2, Lgi1, Caspr2, GABAB, mGluR1, mGluR5, GlycR1) - serum**AMPAR ***

1mL Serum ° Refrigerated

 2 to 3 weeks ° Immunofluorescence

Anti-neuromyelitis optica antibodies - CSF**NMOPL**

300µL CSF ° Refrigerated

 1 week ° Immunofluorescence No compact or urine container for CSF samples

Anti-neuromyelitis optica antibodies - serum**NMOAC**

500µL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Immunofluorescence

Anti-neuron antibodies - CSF**YOPL**

1mL CSF ° Refrigerated

 3 days ° Immunodot

Anti-neuron antibodies - serum**YOHU**

1mL serum (do not use 10 mL tube) ° Refrigerated 3 days ° Immunodot

Anti-neutrophil antibodies**GRAAC ***

3mL Serum with separator gel or decanted tube serum ° FROZEN 8 months ° Granulocyte agglutination test (GAT) and Indirect immunofluorescence Specify the name of the sampler
The patient's date of birth must be visible on the sample label.

Anti-neutrophil cytoplasmic antibodies - ANCA - serum**ANCAx**

2mL Serum ° Refrigerated 4 days ° Immunofluorescence

Anti-NMDA receptor antibodies - CSF**NMDPL**

300µL CSF ° Refrigerated 7 days ° Immunofluorescence No compact or urine container for CSF samples

Anti-NMDA receptor antibodies - serum**NMDA**

500µL serum (do not use 10 mL tube) ° Refrigerated 7 days ° Immunofluorescence

Anti-nuclear antibodies - serum**AANx**

2mL Serum ° Refrigerated 3 days ° Immunofluorescence

Anti-nucleosome antibodies - serum**NUCAC**

1mL Serum ° Refrigerated

 3 days ° Immunofluorimetry**Anti-ovarian antibodies - serum****OVAC**

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Immunofluorescence**Antioxidant activity - plasma****PAOXS ***

1mL Lithium heparin plasma ° FROZEN

 20 days ° Colorimetry Refrigerated centrifugation
Sample to be frozen within 1 hour. Home sampling is not advisable.**Anti-oxidised LDL antibodies - IgG and/or IgM - serum****LDLAC ***

2mL Serum ° FREEZE

 90 days ° Enzyme-immunoassay Sample to be frozen within 2 hours.
1 individual aliquot for this analysis.**Anti-parietal cell antibodies - stomach - serum****CELPA**

1mL Serum ° Refrigerated

 2 days ° Immunofluorescence**Anti-PF4 antibodies - heparin - plasma****PF4**

1mL Citrated Plasma ° FROZEN

 2 days ° Immunology assay automated in chemiluminescence Attach completed information form (ref: R19)
Please supply the clinical pathology probability score if available (i.e. 4T score)
Indiquer spécifiquement si il s'agit d'une recherche dans un contexte de suspicion de VITT post-vaccination COVID 19
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Anti-phosphatidylethanolamine antibodies - IgG - serum**PHETG**

1mL serum (do not use 10 mL tube) ° Refrigerated

 2 weeks ° Enzyme-immunoassay

Anti-phosphatidylethanolamine antibodies - IgM - serum**PHETH**

1mL serum (do not use 10 mL tube) ° Refrigerated

 2 weeks ° Enzyme-immunoassay

Anti phospholipids antibodies - serum**PHAC**

1mL Serum ° Refrigerated

 3 days ° [To be translated]

anti-PLA2R antibodies - serum**PLA2R**

1mL serum (do not use 10 mL tube) ° Refrigerated

 7 days ° Immunofluorescence

Anti-platelet antibodies bound or free - screening and identification**IPLAQ ***

15 mL EDTA whole blood (for the assay of cell-bound platelet antibodies) 5 mL serum (for the dosing of free platelet antibodies) ° Ambient temperature

 20 days ° MAIPA (direct and indirect, Enzyme immunoassay)/
Flow Cytometry and Molecular biology Samples to be collected from Monday to Wednesday
Please attach the specific clinical information form (R44
INTGB : Platelet Immunology or R45-INTGB: Investigation
for foetal/neonatal thrombocytopenia in newborns)
IMPORTANT : if platelets < 20 giga/L, sample 40 mL of
EDTA whole blood, but the test is difficult to perform

Anti-potassium channel antibodies / Lgi1 Caspr2 - CSF**VGKPL**

300µL CSF ° Refrigerated

 1 week ° Immunofluorescence

Anti-potassium channel antibodies / Lgi1 Caspr2 - serum**CAPO**

500µL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Immunofluorescence

Anti-PR3 antibodies - proteinase 3 - serum**PR3**

2mL Serum ° Refrigerated

 3 days ° Flow Immunofluorimetry

Anti-prothrombin antibodies - IgG - serum**PROAC**

1mL Serum ° Refrigerated

 1 week ° Enzyme-immunoassay Not to be confused with antiprothrombinases (circulating anticoagulants)

Anti-proton pump antibodies - serum**POPPO ***

1mL Serum ° Refrigerated

 10 days ° Enzyme-immunoassay

Anti red blood cell RH1 antibodies titration and microtitration - whole blood**TITD**

5mL EDTA whole blood ° Refrigerated

 2 days ° Indirect antiglobulin test in tube (titration) and indirect antiglobulin test in gel filtration (micro-titration) Enclose the specific clinical information form (R3-INTGB : Immunology-haematology (IA))
Not to be performed on haemolysed sample

Anti-retina antibodies - serum**RECOV**

1mL Serum ° Refrigerated

 3 days ° Immunodot

Anti-ribosome antibodies - serum**RIBO**

1mL Serum ° Refrigerated

 2 days ° Immunofluorescence

Anti-Saccharomyces cerevisiae antibodies - IgG/IgA - serum**ASCA**

2mL Serum ° Refrigerated

 3 days ° Enzyme-immunoassay

Anti-SLA antibodies - Soluble Liver Antigen - serum**SLAC**

1mL Serum ° Refrigerated

 3 days ° Immunodot

Anti-smooth muscle antibodies - screening and titration - serum**MUSCX**

1mL Serum ° Refrigerated

 4 days ° Immunofluorescence

Anti- SOX1 antibodies - CSF**SOX1L**

1mL CSF ° Refrigerated

 3 days ° Immunodot

Anti- SOX1 antibodies - serum**SOX1**

1mL serum (do not use 10 mL tube) ° Refrigerated

 3 days ° Immunodot

Anti-SP100 antibody - IgG - serum**SP100**

2mL Serum ° Refrigerated

 3 days ° Immunodot

Anti-sperm antibodies - indirect screening**SPACD**

Male: 0.5 mL Serum + 0.5 mL seminal fluid - FROZEN < 1 Hr
Female: 0.5 mL Serum + 0.3 mL cervical mucous - FROZEN < 1 Hr °

 5 weeks ° Agglutination [To be translated]

Antistreptodornase B - ASD B - serum**ASDOR**

1mL serum (do not use 10 mL tube) ° Refrigerated

 3 days ° Nephelometry

Antistreptolysin - ASLO - serum**ASLO**

1mL serum (do not use 10 mL tube) ° Refrigerated

 3 days ° Nephelometry

Anti-striated muscle antibodies - serum**MUSTR**

1mL Serum ° Refrigerated

 2 days ° Immunofluorescence Do not send haemolysed or lipemic samples.

Anti-T3 antibodies - triiodothyronine**T3AC ***

2mL Serum (do not use tubes with separator gel) ° FREEZE

 30 days ° Radioimmunoassay Enclose the specific clinical information form (R67 : Anti-thyroid hormone antibodies)
Attach the thyroid evaluation results

Anti-T4 antibodies - thyroxine

T4AC *

2mL Serum (do not use tubes with separator gel) ° FREEZE

 30 days ° Radioimmunoassay

 Enclose the specific clinical information form (R67 : Anti-thyroid hormone antibodies)
Attach the thyroid evaluation results

Anti-testicular antibodies - serum

TESTA

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Immunofluorescence

Antithrombin - antigen - plasma

ATAG

1mL Citrated Plasma ° FROZEN

 1 week ° Immuno turbidimetry

 Enclose the specific clinical information form (R5-INTGB : Haemostasis)
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.
Be aware: antithrombin activity (functional test) should be done in first line for antithrombin deficiency diagnostic

Antithrombin - functional activity - plasma

AT

2mL Citrated Plasma ° FROZEN

 1 day ° Chromogenic method

 Always specify the treatment and clinical context of the test prescription: Unfractionated heparin may induce a weak decrease in antithrombin level.
The interference is reduced with HMWH.
In case the patient is under treatment, the test can be performed. Deficiency will be ruled out if antithrombin level is normal. If the result is lowered, a repeat testing will have to be performed at distance from any treatment. Do not collect samples from a patient under direct oral anticoagulants.
Do not measure the activity of antithrombin if treatment in progress with direct anticoagulant active by oral of type anti-Xa (XARELTO, ELIQUIS).
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.
The assay should be performed after a 5-day discontinuation of the ODA treatment

anti THSD7A antibodies - serum**THSD7 ***

1mL Serum ° Refrigerated

 15 days ° Immunofluorescence

Anti-thyroglobulin antibodies - serum**TYRAC**

1mL Serum ° Refrigerated

 1 day ° Electrochemiluminescence

 The search for antithyroglobulin autoantibodies should only be performed in patients with suspected autoimmune thyroiditis despite the absence of antithyroid microsomal or antithyroperoxidase autoantibodies, or to validate an assay of a circulating thyroglobulin in a patient with thyroid carcinoma.

ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Anti-thyroid peroxidase antibodies - serum**TPO**

1mL Serum ° Refrigerated

 1 day ° Electrochemiluminescence

 ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Anti-titin antibodies - CSF**TITIN**

1mL CSF ° Refrigerated

 3 days ° Immunodot

Anti-titin antibodies - serum**TITIN**

1mL serum (do not use 10 mL tube) ° Refrigerated

 3 days ° Immunodot

Anti-Tr antibodies - CSF**ACTRL**

1mL CSF ° Refrigerated

 3 days ° Immunodot

Anti-Tr antibodies - serum**ACTR**

1mL serum (do not use 10 mL tube) ° Refrigerated

 3 days ° Immunodot

Anti-TSH receptor antibodies - serum**TRAKH**

1mL Serum ° Refrigerated

 1 day ° Electrochemiluminescence

 The search for TSH antiretroviral autoantibodies should be restricted to pregnant women who have or have had Graves_z disease or autoimmune thyroiditis or during follow-up of patients with Graves_z disease treated by synthetic antithyroid drugs.
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Anti-type II collagen antibodies - serum**COLB2 ***

1mL Serum ° Refrigerated

 5 weeks ° Enzyme-immunoassay

Anti-tyrosine phosphatase antibodies - IA-2 - serum**IA2**

1mL serum (do not use 10 mL tube) ° Refrigerated

 2 days ° Chemiluminescence

 Serum not hemolysed

1mL Citrated Plasma ° FROZEN

 1 day ° Chromogenic method

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
Sample to be frozen within 1 hour. Home sampling is not advisable.
ALWAYS specify the current anticoagulant treatment (dosage) and the injection and sampling times
The samples should be collected at the mid-point between two injections.
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

1mL Citrated Plasma ° FROZEN

 1 day ° Chromogenic method

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
Sample to be frozen within 1 hour. Home sampling is not advisable.
ALWAYS specify the current anticoagulant treatment (dosage) and the injection and sampling times
Collect the sample 3 - 4 hours following the injection
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

1mL Citrated Plasma ° FROZEN

 1 day ° Chromogenic method

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
Sample to be frozen within 1 hour. Home sampling is not advisable.
ALWAYS specify the current anticoagulant treatment (dosage) and the injection and sampling times
Sample 3 to 4 hours after subcutaneous injection of Lovenox®, Fragmine®, Fraxiparine®, Clivarine® or 4 to 6 hours after subcutaneous injection of Innohep® or Fraxodi®
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Anti-Xa activity : Standard heparin - NFH - plasma**HEPAR**

1mL Citrated Plasma ° FROZEN

 1 day ° Chromogenic method

 Enclose the specific clinical information form (R5-INTGB : Haemostasis)
Sample to be frozen within 1 hour. Home sampling is not advisable.
ALWAYS specify the current anticoagulant treatment (dosage) and the injection and sampling times
Syringe pump: testing times are irrelevant once the equilibrium state has been reached. Sub-cutaneous: collect samples at the mid-point between two injections.
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Anti-YOP antibodies - IgG - serum**YOPAC**

1mL serum (do not use 10 mL tube) ° Refrigerated

 2 weeks ° Western-Blot

Anti-ZC4 antibodies - CSF**ZIC4L**

1mL CSF ° Refrigerated

 3 days ° Immunodot

Anti-ZC4 antibodies - serum**ZIC4**

1mL serum (do not use 10 mL tube) ° Refrigerated

 3 days ° Immunodot

Anti ZNT8 antibodies - serum**ZNT8**

1mL serum (do not use 10 mL tube) ° Refrigerated

 14 days ° Enzyme-immunoassay

Apixaban(Elquis ®) - Anti Xa activity measurement - plasma

APIX

1mL Citrated Plasma ° Frozen

 1 day ° Chromogenic method

 Centrifuge and decant
Freeze the sample within 1 hour after sampling
It is IMPERATIVE to specify the dosage of ELIQUIS and the time of intake and sampling.
Samples are to be taken as residuals (just before a dose) or at peak activity (3 to 4 hours after the dose).
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Apolipoprotein A1 - serum

APOA

1mL Serum ° Refrigerated

 2 days ° Immuno turbidimetry

 Fasting sample

Apolipoprotein B - serum

APOB

1mL Serum ° Refrigerated

 2 days ° Immuno turbidimetry

 Fasting sample

Apolipoprotein C3 - serum

APOC3 *

1mL Serum ° FROZEN

 3 months ° Differential Electroimmunodiffusion

Apolipoprotein E - methylated gene-transmitted - whole blood

APOEX *

5mL EDTA whole blood ° Ambient temperature

 4 weeks ° PCR

 Enclose the specific B12-INTGB request form: Molecular Genetics

Arginosuccinic acid - plasma

AARGI *

2mL Heparin Plasma ° FROZEN

 2 months ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.

Arginosuccinic acid - urine

AARGU *

10mL Random urine ° FROZEN

 2 months ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Sample to be frozen within 1 hour. Home sampling is not advisable.

 T9 : Urine flasks 70 ml

Aripiprazole

ARIPI

1mL lithium heparin plasma (do not use tubes with separator gel) ° Refrigerated

 1 week ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration
The following examinations can be performed on the same sample: Aripiprazole; Clozapine; Haloperidol; olanzapine; Quétiapine; Rispéridone.

Arsenic - biological fluid

ASD *

10mL Biological fluid ° Refrigerated

 2 weeks ° Atomic absorption

Arsenic - hair specimen

ARCH *

200mg Hair specimen ° Ambient temperature

 25 days ° Atomic absorption

 Cut a match-sized lock of hair next to the scalp
Place the lock in a glass or plastic tube

Arsenic - inorganic an metabolites derivatives - urine

MASU *

10mL urine sample ° Refrigerated

 15 days ° Atomic absorption

 T9 : Urine flasks 70 ml

Arsenic - Plasma

ASPL *

3mL Heparin plasma (do not use tubes with separator gel) ° Refrigerated

 1 month ° Atomic absorption

Ascariasis - serology - serum**ASC**

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Enzymology

Aspergillosis - confirmation serology - serum**ASIEP**

2mL serum (do not use 10 mL tube) ° Refrigerated

 3 days ° Western-Blot

Aspergillosis IgG serology screening - serum**ASPER**

1mL serum (do not use 10 mL tube) ° Refrigerated

 3 days ° Enzyme-immunoassay If positive, the confirmation test is automatically performed.

Aspergillosis - soluble antigen - testing - BAL**ASPLB**

BAL ° Refrigerated

 5 days ° Enzyme-immunoassay Do not take samples that are too viscous (may prevent the analysis from being carried out).

Aspergillosis - soluble antigen - testing - serum**ASPAG**

1mL serum (do not use 10 mL tube) ° Refrigerated

 5 days ° Enzyme-immunoassay

associated periodic syndrome - whole blood**TRAPS**

*

5mL EDTA whole blood ° Ambient temperature

 30 days ° PCR + sequencing Enclose the specific B12-INTGB request form: Molecular Genetics

Atazanavir - Serum

ATAZ *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R6-INTGB : Anti retroviral treatment)

Attractive chemo protein of monocytes (MCP-1) - serum

MCP1

1mL serum (do not use 10 mL tube) ° FREEZE

 3 weeks ° Chemiluminescence

Baclofene - Serum

BACL *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° GPC/MS - HPLC/UV-BD

 1 individual aliquot for this analysis.

Bacteriological screening

BAF *

[To be translated] ° Refrigerated

 1 week °

 The use of the S14UK transport bag is Mandatory.
Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology

 S14: Special mycobacteria transport bags are to be used

Barbiturates - urine

BARBU

1tube(s) Random urine ° Refrigerated

 2 days ° Enzyme-immunoassay

 [To be translated]

 Tube for urine sample (4mL)-T28

Barium - Plasma

BARSG *

2mL Sodium Heparin Plasma (trace elements special tube) ° Refrigerated

 2 weeks ° Atomic absorption

Barium - urine

BARU *

10mL urine sample ° Refrigerated

 2 weeks ° Atomic absorption

 Sample 16 hrs after end of work shift on plastic container

 T9 : Urine flasks 70 ml

Bartonellosis - B. henselae - B. quintana - IgG serology - serum

GRIF

1mL serum (do not use 10 mL tube) ° Refrigerated

 3 days ° Immunofluorescence

 If positif, titration will also be performed

Bartonellosis - direct diagnosis - PCR

GRIFB

Lymph node puncture or biopsy, cardiac valve, liver biopsy, EDTA whole blood or serum /EDTA plasma (2 mL minimum), CSF (0.5 mL minimum), aqueous humor. ° Refrigerated

 3 days ° Real-time PCR

 Biopsies should be placed as they are, in a dry tube .
The use of the S14UK transport bag is Mandatory.
All histological fixatives are forbidden.

 K1: Virus screening kit by culture or PCR

B-Cell clonality

CLONB *

1 EDTA whole blood or 1 EDTA bone marrow or biopsy ° Ambient temperature

 1 month ° PCR

 Attach:
- the results of the FBC - platelets
- the immunophenotyping report
Sample must be refrigerated if transport is > 48 hours
Use the specific request form B8-INTGB: Malignant blood disorders

BCR-ABL - gene - qualitative

BCR

Whole blood on PAX gene tube : frozen
1 x 4 ml EDTA whole blood : ambient °

 18 days ° One-step real-time RT-PCR. Detection of 18 BCR fusion transcripts:: ABL (e1a2, e1a3, e4a2, e4a3, e6a2, e6a3,

 Use the specific request form B8-INTGB: Malignant blood disorders
4 days stability

 K10 : PAXgene tube

BCR-ABL - gene - quantitative

BCRQ

Whole blood on PAX gene tube ° FROZEN

 10 days ° RT-qPCR - Test Xpert BCR-ABL Ultra - Cepheid

-  Use the specific request form B8-INTGB: Malignant blood disorders
Attach:
- the current clinical and therapeutic data
 - the results of the FBC - platelets mandatory
 - Molecular biology results as of the date of mandatory diagnosis (if not performed in our laboratory).

 K10 : PAXgene tube

Bence Jones - screening

BJ

2tube(s) 24hr Urine collection or Early morning urine ° Refrigerated

 2 days ° Immunofixation

-  IMPORTANT: collection and transportation at +4°C
Urine WITHOUT preservative and WITHOUT addition of acid
Specify diuresis
Join the information relating to electrophoresis and serum immunofixation

 Tube for urine sample (4mL)-T28

Benzene - urine

BZU *

10mL urine sample ° Refrigerated

 3 weeks ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

-  Glass container with PTFE stopper, supplied upon request
-  T18 : Glass flask, PFTE lid for organic solvents detection - urine

Benzene - whole blood

BENZE *

5mL EDTA whole blood or Heparin ° Refrigerated

 2 weeks ° Gas Phase Chromatography / FID detection

-  Do not use tubes containing merthiolate
Sample at end of work shift
Transfer whole blood into a special glass tube with a PTFE lid
-  T17 : Glass tube, PTFE lid for organic solvents detection - blood

Benzodiazepines - identification - urine

BENIU *

1tube(s) urine ° Refrigerated

 1 week ° Liquid Phase Chromatography / Mass Spectrometry (LC-MS)

-  Always indicate the clinical context
Enclose the specific clinical information form (R13-INTGB : Medication quantification)

 Tube for urine sample (4mL)-T28

Benzodiazepines - screening and identification - Serum

BENZC *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° Liquid Phase Chromatography / Mass Spectrometry (LC-MS)

 Always indicate the clinical context
1 individual aliquot for this analysis.

Benzodiazepines - screening without identification - serum

BENZS

500µL Serum ° Refrigerated

 1 day ° Enzyme-immunoassay(Thermo Scientific)

 The samples can be frozen and thawed 3 times.
[To be translated]

Benzodiazepines - screening without identification - urine

BENZU

1tube(s) Random urine ° Refrigerated

 2 days ° Kinetic interaction of microparticles in solution (KIMS)

 Tube for urine sample (4mL)-T28

Beryllium

BERYS *

2mL heparinised plasma (do not use tubes with gel separators) ° Refrigerated

 2 weeks ° Atomic absorption

 Sample 16 hrs after end of work shift on plastic container
Do not use gel tube

Beryllium - urine

BERYU *

20mL Random urine ° Refrigerated

 3 weeks ° Atomic absorption

 Sample 16 hrs after end of work shift on plastic container
 T9 : Urine flasks 70 ml

Beta-2 microglobulin - CSF

B2MLC

1mL CSF ° Refrigerated

 1 day ° Chemiluminescence

Beta-2 microglobulin - serum

B2M

1mL Non haemolysed serum ° Refrigerated

 1 day ° Chemiluminescence

 Always indicated the beginning or the end of dialysis

Beta-2 microglobulin - urine

B2MU

1tube(s) 24hr urine collection ° FROZEN

 1 day ° Chemiluminescence

 1 specific aliquot for this analysis
Urines must not be acidified. If by mistake it has been, please adjust pH (between 6 and 8) as quick as possible before the sample been sent by addition of NaOH 1N
Specify diuresis

 Tube for urine sample (4mL)-T28

Beta-2 transferrin

B2TRA

*

200 µL of biological fluid + 1 mL of serum ° FROZEN

 1 week ° Immunoblot on high-resolution agarose gel

 Frozen the body fluid immediately
Please further specify the complete patient identity, his birth location and current address
Attach the clinical data

Beta and alpha Thalassemia - gene study - whole blood

ABTHX

*

10mL EDTA whole blood ° Ambient temperature

 30 days ° PCR

 Enclose the specific B12-INTGB request form: Molecular Genetics

Beta-carotene

BCARO

*

1mL Lithium heparin plasma (stored away from light) (tubes with gel separators are prohibited) ° FROZEN

 10 days ° HPLC - High Performance Liquid Chromatography

 Sample to be frozen within 90 minutes . Home sampling is not advisable.
1 individual aliquot for this analysis.

Beta defensin 2 - stool

BDEF2

20g Stool sample ° Refrigerated

 8 days ° ELISA

Beta-D-Glucan antigen - screening

BDGLU *

1mL Serum decanted in sterile conditions or centrifuged and not decanted on separator tube ° FREEZE before sending

 8 days ° Enzyme-immunoassay

 No haemolysed and no lipemic serum

Beta glucosidase - EDTA whole blood spot on Guthrie card

BGLUC *

[Indéfinie] EDTA whole blood spot on Guthrie card ° Ambient temperature

 6 weeks ° Spectrofluorimetry

 Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
Check the specific protocol for sampling and storage (K16P)
stability 7 days ambient

 K16 : blotting paper

Beta-Thalassemia - gene study - whole blood

THAGX *

10mL EDTA whole blood ° Ambient temperature

 2 months ° PCR

 Enclose the specific B12-INTGB request form: Molecular Genetics

Bevacizumab - serum

BEVA *

1mL Serum ° FROZEN

 3 weeks ° Enzyme-immunoassay

 Always draw blood at the same time before another administration

Bictegravir - serum

BICTE *

3mL Serum ° FROZEN

 3 weeks ° Liquid Phase Chromatography / Mass Spectrometry (LC-MS)

 Enclose the specific clinical information form (R6-INTGB : Anti-retroviral medicines)

Bile acids - chromatography - serum

ACBCH *

3mL Serum ° FREEZE before sending

 30 days ° Gas Phase Chromatography / FID detection

 1 individual aliquot for this analysis.

Bile acids - serum

ACBI

1mL Serum ° Refrigerated

 1 day ° Chemistry - Spectrophotometry

 **Fasting sample**
In the case of treatment by ursodeoxycholic acid (Delursan®, Ursolvan® or Ursodiol®), the sample should be taken before the next dose.

Bile acids - urines

ACBUX *

10mL Urines ° FREEZE before sending

 4 to 12 weeks ° Tandem mass spectrometry (MS/MS)

Biliary, salivary and articular stone - morphologic and infrared analysis

CALD

Biliary, salivary and articular stones ° Ambient temperature

 14 days ° Morphological analysis and infrared spectrophotometry (SPIR)

 **Attach the specific clinical information sheet (R54 : gallstones, salivary, other)**
Send the entire calculus, previously washed and dried in a sterile container
containing no compound (no borate in particular)

Bilirubin - total - free - combined - serum

BILI

250µL Serum ° Refrigerated

 1 day ° Colorimetry

 **Store away from light**

Bilirubin total - serum

BILIT

1mL Serum ° Refrigerated

 1 day ° Chemistry - Spectrophotometry

 **Store away from light**

Biogenic amines - CSF

ABIOX *

2mL CSF ° FREEZE before sending

 3 weeks °

Biotinidase - serum

BIOTI *

2mL Serum ° FROZEN

 1 month ° Colorimetry

 Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.

Biperiden - serum

BIPE *

2mL Serum ° Refrigerated

 3 weeks ° Gas Phase Chromatography / NPD

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)

Bismuth - serum

BISMS *

2mL Serum ° Refrigerated

 15 days ° Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

Bismuth - urine

BISMU *

10 urine sample ° Refrigerated

 Variable TAT ° Atomic absorption

 T9 : Urine flasks 70 ml

Bismuth - whole blood

BISM *

5mL EDTA whole blood ° Ambient temperature

 10 days ° Inductively coupled plasma-mass spectrometry

Bisoprolol - serum

BISO *

3mL Serum ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography / UV detection

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)

B-Lactamine Antibiotic Allergy Panel - specific IgE

PANAB

2mL serum ° Refrigerated

 3 days ° Fluoro-Enzymoimmunology - Phadia-ThermoFisher Scientific/Hycor

 Use the specific request form B62: allergological panel

blood grouping - genotyping - whole blood

BMGR *

5mL EDTA whole blood ° Ambient temperature

 30 days for the RHD and RHCE genes (longer if no known molecular abnormality requiring an extensive gene study), 10

 Analysis reserved for women aged under 50 years old, subjects with haemoglobinopathies and polyvaccinated subjects.
Please attach the patient's rhesus phenotype to the other required documents (certificate, consent and prescription).
Enclose the specific B12-INTGB request form: Molecular Genetics

Blood karyotype

MOHC1

5 mL Heparinised whole blood, 2 mL Bone marrow, lymph nodes ° Ambient temperature

 Time according to indication:
- AL: 1 week

 Bone marrow: 1 heparinised syringe or medullary puncture transferred into a lithium heparinate tube ,Lymph node: sterile bottle
Cytogenetic study in the context of Myeloma: must be performed on bone marrow (not on peripheral blood).
Exception: Plasma cell leukaemia: peripheral blood or bone marrow.
Attach:
- the clinical and therapeutic data
- the results of the FBC - Platelets
- the bone marrow report
- the immunophenotyping report

 S9L: Envelopes yellow for karyotypes LYON

BNP - Brain Natriuretic Peptide - plasma

BNP

1mL Non haemolysed EDTA plasma ° FROZEN

 1 day ° CMIA

 Avoid more than 3 freeze / thaw cycles
1 individual aliquot for this analysis.
In order to obtain a reliable result, the sample (EDTA plasma) must be collected in a plastic tube

Boceprevir - plasma

VICTR *

3mL EDTA Plasma centrifuged immediately ° Frozen

 3 weeks ° LCMS

 Enclose the specific clinical information form (R6-INTGB : Anti-retroviral medicines)
1 individual aliquot for this analysis.

Boron - plasma

BORES *

3mL plasma ° Refrigerated

 3 weeks ° Optical Emission Spectrometry with Inductively Coupled Plasma (ICP-OES)

Boron - urine

BOREU *

10mL urine sample ° Refrigerated

 3 weeks ° Optical Emission Spectrometry with Inductively Coupled Plasma (ICP-OES)

Borreliosis - direct diagnosis - PCR

BORBM

Biopsy (skin, joint), joint fluid, pericardial fluid, CSF (0.5 mL minimum), EDTA whole blood or serum / EDTA plasma (2 mL minimum): Refrigerated °

 3 days ° Real-time PCR

 Biopsies should be placed as they are, in a dry tube .
The use of the S14UK transport bag is Mandatory.
All histological fixatives are forbidden.
other biological samples must not be diluted, to be sent in a plain tube
Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Borreliosis - IgG confirmation serology

WBLYG

1mL serum, CSF ° Refrigerated

 2 days ° Immunoblot



Borreliosis - IgM confirmation serology - serum

WBLYM

1mL Serum ° Refrigerated

 2 days ° Immunoblot



On specific request

BRAF Gene - isolated**MYSBR**

[Indéfinie] 2 x 5 ml EDTA whole blood or 2 ml EDTA bone marrow or DNA extracted : (200ng of DNA minimum) ° Ambient temperature



10 days (Results may require an extended turnaround time, one week, depending on the confirmation tests required by Sanger)



Sample must be refrigerated if transport is > 48 hours
Use the specific request form B8-INTGB: Malignant blood disorders

BRAF Gene - Screening for V600E mutation on exon 15**BRAF**

Paraffin-embedded tumor block or paraffin slides ° Ambient temperature

**Branching enzyme (GSD IV) - whole blood****GSD4**

*

2mL EDTA whole blood ° Ambient temperature



3 weeks °

BRCA1 - BRCA2 Deletion/duplication - whole blood**DBRCA**

*

EDTA whole blood ° Ambient temperature



30-40 days ° MLPA

Breast Cancer Prognostic Gene Signature Assay - PROSIGNA TEST**PAM50**

*

Formalin-fixed and paraffin embedded breast tumor tissue block ° Ambient temperature



10 days ° This test was performed in collaboration with Institut Curie- Paris



Attach the histology and immunohistochemistry report
Use the specific request form B9-INTGB: Oncology-Solid tumors

Brivaracetam - serum**BRIVA**

*

200µL Serum (do not use tubes with separator gel) ° FROZEN



3 days °



1 specific aliquot for this analysis
Enclose the specific clinical information form (R13-INTGB : Medication quantification)
Residual level sample and equilibrium withdrawals

Bromazepam - Serum

BROMA *

2mL Serum (do not use tubes with separator gel) ° FROZEN



10 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)



Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration

Bromine - Plasma

BROMS *

2mL Sodium Heparin Plasma (trace elements special tube) ° Refrigerated



3 weeks ° Direct potentiometry

Bromine - urine

BROMU *

10mL urine sample ° Refrigerated



3 weeks ° Direct potentiometry



T9 : Urine flasks 70 ml

Brucellosis - confirmation serology - serum

BRUCM

500µL serum (do not use 10 mL tube) ° Refrigerated



7 days ° Agglutination after immunocapture

Brucellosis - screening serology - serum

BRUC

0.5mL serum (do not use 10 mL tube) ° Refrigerated



4 days ° Agglutination

Buflomedil - serum

BUFLO *

2mL Serum ° Refrigerated

 1 week ° HPLC - High Performance Liquid Chromatography / UV detection

 Specify:
- the reasons for the prescription (efficiency and/or toxicity test),
- the sampling time
- the treatment start date and/or the date of any change of dosage
- the dosage data (quantity administered, frequency, administration route),
- the subject's age, height and weight if possible.

Bupivacaine - Serum

BUPIV *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography / UV detection

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Buprenorphine and metabolites - urine

BUPU *

1tube(s) Urine ° FROZEN

 2 weeks ° LCMS

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
[To be translated]

 Tube for urine sample (4mL)-T28

Buprenorphine - Serum

BUPS *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° Liquid Phase Chromatography / Mass Spectrometry (LC-MS)

 Always indicate the clinical context
Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
[To be translated]

Butoxyacetic acid - urine

BTXU *

10mL urine sample ° Refrigerated

 6 weeks ° Gas Phase Chromatography / FID detection

 Sample at end of work shift

 T9 : Urine flasks 70 ml

C1-inhibitor - complement fraction - functional + quantitation**ACTC1**

2 mL Citrated Plasma (centrifugation within 3 hours of sample collection): FROZEN
+ 3 mL Serum: FROZEN °

 3 days (1 week if control) ° Spectrophotometry + Nephelometry

C1-inhibitor - complement fraction - quantitation - serum**INHC1**

1mL Serum ° FREEZE

 1 day ° Turbidimetry

C1q - complement fraction - serum**C1Q**

1mL serum (do not use 10 mL tube) ° FROZEN

 1 week ° Radial immunodiffusion

C2 - complement fraction - serum**CC2**

1mL serum (do not use 10 mL tube) ° FREEZE

 1 week ° Radial immunodiffusion

C3 - complement fraction - serum**CC3**

1mL Serum ° Refrigerated

 2 days ° Immuno turbidimetry

C3NeF - Nephritic factor - serum**C3NEF**

*

1mL Serum ° Refrigerated

 6 weeks ° Immuno chemistry

 Specify C3 value

C4 - complement fraction - serum**CC4**

1mL Serum ° Refrigerated

 2 days ° Immuno turbidimetry

C5 - complement fraction - serum**CC5**

1mL serum (do not use 10 mL tube) ° FROZEN

 1 week ° Radial immunodiffusion

C7 - complement fraction - serum**CC7 ***

1mL Serum ° FROZEN

 1 month °

C9 - complement fraction - serum**CC9 ***

1mL Serum ° FROZEN

 1 month ° Radial immunodiffusion

CA 125 antigen - aspiration biopsy**C125D**

1mL Aspiration biopsy ° Refrigerated

 1 day ° Electrochemiluminescence

CA 125 antigen - serum**CA125**

1mL Serum ° Refrigerated

 1 day ° Electrochemiluminescence **ATTENTION:** interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

CA 15-3 antigen - aspiration biopsy**C153D**

1mL Aspiration biopsy ° Refrigerated

 1 day ° Electrochemiluminescence

CA 15-3 antigen - serum**CA153**

1mL Serum ° Refrigerated

 1 day ° Electrochemiluminescence **ATTENTION:** interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

CA 19-9 antigen - aspiration biopsy**C199D**

1mL Aspiration biopsy ° Refrigerated

 1 day ° Electrochemiluminescence

CA 19-9 antigen - serum**CA199**

1mL Serum ° Refrigerated

 1 day ° Electrochemiluminescence **ATTENTION:** interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

CA 50 antigen - serum**CA50**

1mL Serum ° FROZEN

 2 weeks ° Radioimmunoassay

CA 72-4 antigen - aspiration biopsy**C724D**

1mL Aspiration biopsy ° Refrigerated

 2 days ° Electrochemiluminescence

CA 72-4 antigen - serum**CA724**

1mL Serum ° Refrigerated

 2 days ° Electrochemiluminescence **ATTENTION:** interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

CABOTEGRAVIR**CABOT ***

3mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° LCMS at the residual rate and at steady state

Cadmium - urine**CDU ***

20mL Random urine ° Refrigerated

 15 days ° Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) T9 : Urine flasks 70 ml

Cadmium - whole blood**CD**

5mL Heparin whole blood (stored away from light) ° Refrigerated

 1 week ° Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

Caffeine - Serum**CAF ***

1mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography / UV detection Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Calcitonin - aspiration biopsy**CALCD**

1mL Aspiration biopsy ° FROZEN

 2 days ° Chemiluminescence Freeze within 4 hours, only one freezing possible.
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Calcitonin - serum**CALCI**

2mL Non haemolysed serum ° FROZEN

 1 day ° Chemiluminescence

-  1 individual aliquot for this analysis.
Allow to coagulate, separate the serum from the clot as soon as possible (within 4 hours maximum) and freeze it.
Only one freezing possible
In case of protons pump treatment, we recommend to collect sample before intake, and in case of possible treatment stopping, please collect sample 2 weeks after treatment was stopped.
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Calprotectin faecal - stool**CALP**

[Indéfinie] Stool specimen ° Refrigerated

 2 days ° Enzyme-immunoassay

-  Enclose the specific clinical information form (R29-INTGB : Functional Coprology)
Use : small pot

Campylobacter - serology - serum**CAMP**

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Enzyme-immunoassay

Candida albicans - confirmation serology - serum**CANDC**

1mL serum (do not use 10 mL tube) ° Refrigerated

 3 days ° Immuno-electrophoresis

Candida albicans - screening serology - serum**CAND**

1mL serum (do not use 10 mL tube) ° Refrigerated

 5 days ° Indirect enzyme immunology and haemagglutination

-  If positive, the confirmation test is automatically performed.

Candida - Mannane antigen - serum

CANAG *

1mL serum (do not use 10 mL tube) ° Refrigerated

 2 weeks ° Enzyme-immunoassay

Cannabis confirmation - blood test

CANS

2mL Fluor plasma in first intention. Lithium heparin plasma accepted. Do not use separator gel. ° Refrigerated

 4 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Spin down and immediately decant plasma from cells. Immediately decant the plasma.(maximum 1 hour)
[To be translated]

Cannabis - confirmation - urine

CANC *

1tube(s) Random urine ° Refrigerated

 4 weeks ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 [To be translated]
 Tube for urine sample (4mL)-T28

Cannabis - hair

CANCH *

40 mg of hair ° Ambient temperature

 5 weeks ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 Hair: if possible, sample behind the apex of the head. Join the equivalent of a pen in diameter, with a thread, tie the lock of hair, cut as close to the scalp as possible. Finish tying the lock

Note whether a medico-legal or judicial case is involved
[To be translated]

Cannabis - urine

CAN

1tube(s) Random urine ° Refrigerated

 2 days ° Kinetic interaction of microparticles in solution (KIMS)

 [To be translated]
 Tube for urine sample (4mL)-T28

Carbamazepine - serum

CARB

1mL Serum ° Refrigerated

 1 day ° Immuno chemistry

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
Always draw blood at the same time before another administration
Not to be confused with oxcarbazepine

Carbohydrate-deficient transferrin - control - alternative method - serum

CDTC *

1mL Serum ° Refrigerated

 8 days ° Nephelometry

-  Do not use plasma

Carbohydrate-deficient transferrin - serum

CDT

1mL Non haemolysed serum ° Refrigerated

 1 day ° Capillary Electrophoresis

-  Do not use plasma

Cardiogenetic exome

EXOC

5mL EDTA whole blood (tube completely filled). 1 extracted DNA tube (minimum volume 50µL with a minimum quantity of 1µg/500ng for the prenatal) ° Ambient temperature

 4 weeks for the interpreted exome excluding confirmatory analyses and 2 weeks to make the data available in seqone for

-  According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Trio whole exome sequencing assay requires an EDTA whole blood sample for each parent (mother and father)
If the sample is transported at room temperature, the sample must reached our facility within 4 days. in case of longer transport time, please send the sample in refrigerated condition.
Please see the specific form N34- Whole exome sequencing
Please ensure to attached a maternal EDTA whole blood sample to each prenatal exome sample request (screening for maternal contamination)
Please attach the specific request form B61-INTGB Cardiogenic exome
Please inform us when an urgent or prenatal exome is expected.

 K34 : Kit Exome

CAR - index - Saliva

CAR

0.5mL 0,5 mL saliva T0
0,5 mL saliva T30 ° FROZEN



2 weeks (if dilution/control needed - TAT 4 weeks °
Radioimmunoassay



SPECIAL OR DELICATE SAMPLE: the kit used to collect and transport the saliva sample is called a "Salivette". It is available upon request. Before sampling, the patient must observe a time of at least 30 minutes without consuming food or acidic beverages. It is very important not to contaminate the saliva sample with blood, therefore, it is necessary to avoid brushing teeth before collection. The collection protocol is described in the package insert accompanying the sampling kit.



K5: Sample kit-Saliva

Carnitine free and total - plasma

CARTL

*

4mL Heparin Plasma ° FROZEN



2 weeks ° Tandem mass spectrometry (MS/MS)



Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
Sample in a fasting state (for infants, draw sample 3-4 hours after bottle)
Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.

Carnitine free and total - urines

CARNU

*

[Indéfinie] 5 mL morning urine - micturition + 4 mL heparinised plasma (prohibit use of tubes with separator) ° FROZEN



1 month ° Tandem mass spectrometry (MS/MS)



Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
Sample in a fasting state (for infants, draw sample 3-4 hours after bottle)
Sample to be frozen within 1 hour. Home sampling is not advisable.
Plasma carnitin must be imperatively performed in parallel for the urine carnitnin level

Carotenoids

CAROT

*

2mL Lithium heparin plasma (stored away from light) (tubes with gel separators are prohibited) ° FROZEN



3 weeks ° HPLC - High Performance Liquid Chromatography



Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.

Carpipramine - Serum

CARPI *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 15 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

-  In accordance with the regulation, all requests must ALWAYS contain:
- the sampling date and time, the date and time of the last dose
 - the reasons for the prescription (efficiency and/or toxicity test)
 - the treatment start date and/or the date of any change of dosage
 - the subject's age, height and weight, when possible
 - the dosage data (quantity administered, frequency, administration route)
 - the medical follow-up sheet

Catecholamines - free - Urine

CATU

1tube(s) Homogenized 24H urine ° FROZEN

 4 days ° LCMS/MS

-  Code reserved for adults from 18 years old (see specific code for children).
1 individual aliquot for this analysis.
Specify the diuresis (volume of urine of 24H).
Freeze quickly after the end of the collection.
Urines have to be stored refrigerated during the collection process
No need of specific diet anymore.
Do not perform sampling during menstruation period.
Do not transmit pot

 Tube for urine sample (4mL)-T28

CBFBETA -MYH11 mutation inv(16) - whole blood

CBFBE *

5mL EDTA whole blood ° Ambient temperature

 30 days ° RT - PCR

CBG - Cortisol-Binding Globulin - Transcortin - serum

CBG

1mL Serum ° FROZEN

 2 weeks ° Radioimmunoassay

CCND1 status - whole blood

CCND1 *

mL EDTA whole blood ° Ambient temperature

 30 days ° PCR

CDG Syndrome - screening - serum

CDGX *

1mL Serum ° FREEZE before sending

 4 weeks ° HPLMC/isoelectric focusing

CEA - Carcinoembryonic antigen - aspiration biopsy

CEAD

1mL Aspiration biopsy ° Refrigerated

 1 day ° Electrochemiluminescence

 **ATTENTION:** interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

CEA - Carcinoembryonic antigen - serum

CEA

1mL Serum ° Refrigerated

 1 day ° Electrochemiluminescence

 **ATTENTION:** interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Cefazolin - Serum

CEFA *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° UHPLC-ESI/MS

 **Enclose the specific clinical information form (R18-INTGB : Infectious agents)**

Cefepime - serum

CEFEP *

2mL Serum ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography

 **Enclose the specific clinical information form (R13-INTGB : Medication quantification)**
1 individual aliquot for this analysis.
Specify:
- the reasons for the prescription (efficiency and/or toxicity test),
- the sampling time
- the treatment start date and/or the date of any change of dosage
- the dosage data (quantity administered, frequency, administration route),
- the subject's age, height and weight if possible.

Cefotaxime - Serum

CEFO *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Centrifuge the sample and settle the serum without delay.
Do not use tubes with phase separators
Specify:
- the reasons for the prescription (efficiency and/or toxicity test),
- the sampling time
- the treatment start date and/or the date of any change of dosage
- the dosage data (quantity administered, frequency, administration route),
- the subject's age, height and weight if possible.

Ceftazidime - Serum

CEFTA *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography

-  Centrifuge the sample and decant rapidly
Specify the pathology, time of sample and time of administration: residual levels (just before administration)
1 individual aliquot for this analysis.

Ceftriaxone - CSF

CEFTL *

1mL CSF ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography

-  Specify the pathology, time of sample and time of administration: residual levels (just before administration)

Ceftriaxone - Serum

CEFTR *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography

-  Centrifuge the sample and decant rapidly
Enclose the specific clinical information form (R13-INTGB : Medication quantification)
Specify the pathology, time of sample and time of administration: residual levels (just before administration)
1 individual aliquot for this analysis.

Celiprolol - serum

CELIP *

3mL Serum ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography / UV detection

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Cereals Panel - specific IgE

PANCE

2mL Serum ° Refrigerated



3 days ° Fluorescent enzyme-immunoassay - Phadia-ThermoFisher Scientific



Use the specific request form B62: allergological panel

Certolizumab - serum

CERTO *

1mL Serum ° FROZEN



3 weeks ° Enzyme-immunoassay



Always draw blood at the same time before another administration

Ceruloplasmin - serum

CER

1mL Serum ° Refrigerated



2 days ° Immuno turbidimetry



ALWAYS specify the patient's age and gender

Cervical smear - conventionnal

MFR *

Cervical smear ° Ambient temperature



[To be translated]

Cervical smear - monolayer

MFM *

Cervical smear ° Ambient temperature



[To be translated]
Refer to the sampling protocol (cervical cytology) - KA10P-KA18P
Use the specific request form B56 Screening for cervical cancer (HPV or cervical cytology)
Use the dark green S30 transport bag
A reflex HPV test will be performed in case of ASCUS or AGC cytology



KA56: Kit for HPV and cervical cytology.

CH50 - Total haemolytic complement

CH50

1mL serum ° FROZEN



1 day ° Analytical immunology



Sample to be frozen within 1 hour. Home sampling is not advisable.

Chemical analysis - stool

CHISP

30g Stool sample ° Refrigerated

 7 days ° Chemical analysis

 Enclose the specific clinical information form (R29-INTGB : Functional Coprology)

Chikungunya - IgG/IgM serology - serum

CHIK

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Enzyme-immunoassay

 Enclose the specific clinical information form (R28-INTGB : Dengue-Chikungunya-West Nile-Zika)
Only to be performed in the immune phase, i.e., from Day 5 after the onset of clinical signs

Chikungunya - viral RNA detection - PCR

CHKBM

1mL Plasma EDTA, Sérum, Urines, saline ° Refrigerated

 3 days ° Real-time PCR

 Enclose the specific clinical information form (R28-INTGB : Dengue-Chikungunya-West Nile-Zika)
Sample to be collected up to 7 days after the clinical symptoms onset
The use of the S14UK transport bag is Mandatory.
[To be translated]

 S14: Special mycobacteria transport bags are to be used

Child food allergy panel - specific IgE

PANAE

2mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay - Phadia-ThermoFisher Scientific

 Use the specific request form B62: allergological panel

Child respiratory allergy panel - specific IgE

PANRE

2mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay - Phadia-ThermoFisher Scientific

 Use the specific request form B62: allergological panel

Chitotriosidase - activity

CHITO *

2mL EDTA plasma ° FROZEN

 1 month °

 1 individual aliquot for this analysis.

Chlamydia pneumoniae - direct diagnosis - PCR**CHPBM**

[Indéfinie] Nature du prélèvement

Nasopharynx, bronchial secretions, BAL: +4°C 0.5ml (minimum) CSF ° Refrigerated



3 days ° Real-time PCR



Put biopsies in a dry tube or with a transport medium (M4RT)

The use of the S14UK transport bag is Mandatory.

All histological fixatives are forbidden.

Other biological samples must not be diluted, to be sent in a plain tube

Swab collection requires the use of a virus transport medium provided in the K13 kit.



K1: Virus screening kit by culture or PCR

Chlamydia pneumoniae - IgG/IgM serology - serum**CHPN**

1mL serum (do not use 10 mL tube) ° Refrigerated



3 days ° Enzyme-immunoassay

Chlamydia psittaci - IgA serology - serum**PSITA**

1mL serum (do not use 10 mL tube) ° Refrigerated



5 days ° Immunofluorescence



On specific request

Chlamydia psittaci - serology - serum**PSIT**

1mL serum (do not use 10 mL tube) ° Refrigerated



5 days ° Indirect immunofluorescence

Chlamydia trachomatis - Detection by molecular amplification

TRABM

[Indéfinie] Sample on Aptima collection kit (Hologic): Kit K11 : cervical, urethral, vaginal, conjonctival swab, biopsy, IUD. For liquid samples (200 µL minimum): sperm, Douglas pouch fluid, Bartollin fluid, peritoneal fluid
Kit K14: self-sampling (vaginal), samples and self-sampling (anal,pharyngeal) - Kit K12 : first morning urines at ambient temperature ° Ambient temperature

 3 days ° Molecular biology

-  K11: Kit for Chlamydia trachomatis and/ or Neisseria gonorrhoeae APTIMA for urethral and endocervical samples
- K12: Kit Chamydia trachomatis and/or Neisseria gonorrhoeae APTIMA pour urine samples:
In the absence of APTIMA K12 medium: Send a sterile urine container without additive.
REQUIRE jars to be fitted with an integrated transfer needle or cannula.
- K14: Kit Chlamydia trachomatis and/or Neisseria gonorrhoeae APTIMA for self sampling (vaginal, anal and pharyngeal).
- Kit K11: Only the blue tipped collection swab should be placed in the APTIMA medium. Carefully cut the swab tip at the cutting line before closing the swab sample transport tube (airtight). Kit K12: the urine should be transferred into the urine APTIMA specimen transport in less than 24 hours (2 mL). Biopsy samples should place immediately into a K11 APTIMA or an M4RT transport medium.
Do not use K1 KITS (NEST medium)

Chlamydia trachomatis - IgA serology - serum

TRACA

1mL Serum ° Refrigerated

 2 days ° Chemiluminescence

-  ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Chlamydia trachomatis - IgG serology - serum

TRACG

1mL Serum ° Refrigerated

 2 days ° Chemiluminescence

-  Test for IgA or IgM on explicit request
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Chlamydia trachomatis - IgM serology - serum

TRACM

1mL serum (do not use 10 mL tube) ° Refrigerated

 5 days ° Immunofluorescence

-  Test not recommended for STD screening
On specific request

Chlordiazepoxide - Serum

LIBX *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° HPLC - High Performance Liquid Chromatography / DAD

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Chlorophenol - urine

CPHEN *

10mL urine sample ° Refrigerated

 20 days ° HPLC - High Performance Liquid Chromatography / UV detection

 Sample at end of work shift
 T9 : Urine flasks 70 ml

Chloroquine - Serum

CHLOQ *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° HPLC - High Performance Liquid Chromatography / UV detection

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Chlorpromazine - Serum

LARG *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 11 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Cholestanol - plasma

CHOST *

2mL Heparin Plasma ° Frozen

 5 weeks °

 Enclose the specific clinical information form (R1-INTGB : Amino Acids - Organic Acids)
1 individual aliquot for this analysis.

Cholesterol lecithine acyltransferase - serum

LCAT *

2mL Serum ° FROZEN

 6 months ° Immunoenzymatic method

-  Sample to be frozen within 1 hour. Home sampling is not advisable.
Mandatory: please ensure you enclose together with your request form:
- Patient's lipid profile and/or the patient's closest relatives' lipid profile if appropriate.
 - Medical history
 - Clinical context and reason for prescription
 - Prescribing doctor's details (name, address etc.)
- 2 specific aliquots for this analysis

Cholinesterase - Enzymatic activity - serum

CHOLI

1mL Non haemolysed serum ° Refrigerated

 1 day ° Spectrophotometry

-  1 individual aliquot for this analysis.

Chromium

CRST *

5mL Sang total Héparinate de sodium (proscrire les tubes avec gel séparateur R005) ° Refrigerated

 2 weeks ° ICP/MS

-  1 specific aliquot for this analysis
-  T4 : Sodium Heparin tube

Chromium - urines

CRU *

10mL End of shift urine ° Refrigerated

 21 days ° ICP/MS

-  Sample at end of work shift and at end of working week
-  T9 : Urine flasks 70 ml

Chromogranin A

CHRA

1mL Serum ° FROZEN

 2 days ° Enzyme-immunoassay

-  PPIs (proton pump inhibitors) should be stopped 2-3 weeks before the chromogranin A assay

5mL Heparin whole blood ° Ambient temperature

 10 days ° Chromosome fragility with mitomycine

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Use the specific form B13 : Cytogenetic
Attach the clinical data
ALWAYS attach the last blood/platelet count results.

 S9L: Envelopes yellow for karyotypes LYON

Chymotrypsin

CHYMS *

30g Complete 24 h stool collection in a new, clean, weighted stool container ° Refrigerated

 1 month ° Chemistry

 Enclose the specific clinical information form (R29-INTGB : Functional Coprology)
Remplir maximum les pots au 2/3 pour éviter une explosion par les gaz de fermentation si le pot est rempli complètement.

 T10 : Stool container 1l

Cibenzoline - Serum

CIBEN *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography

 1 individual aliquot for this analysis.
Always draw blood at the same time before another administration
In accordance with the regulation, all requests must ALWAYS contain:
- the sampling date and time, the date and time of the last dose
- the reasons for the prescription (efficiency and/or toxicity test)
- the treatment start date and/or the date of any change of dosage
- the subject's age, height and weight, when possible
- the dosage data (quantity administered, frequency, administration route)
- the medical follow-up sheet

Ciprofloxacin - Serum

CIPRO *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography

 Centrifuge the sample and decant rapidly
Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always specify the clinical context : efficiency or toxicity

Circulating anticoagulant - screening - plasma

TCAOP

2mL Citrated Plasma ° FREEZE before sending

 1 day ° Chronometric method

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
1 individual aliquot for this analysis.
Plasma with platelets removed by double centrifugation: 2500 g 15 min and settled plasma. The patient must not receive heparin.
The sample must be drawn at distance from any heparin treatment (UFH, LMWH, danaproid sodium) rivaroxaban (XARELTO) apixaban (ELIQUIS), dabigatran (PRADAXA)
Not to be confused with the lupus anticoagulant research that has to be done in cases of thrombophilia checks, autoimmune diseases and/ or recurrent miscarriages.

Circulating immune complexes - CIC - serum

CIC

1mL serum (do not use 10 mL tube) ° Refrigerated

 7 days ° Enzyme-immunoassay

Circulating Lupus anticoagulant - screening - plasma

ACC

2mL Citrated Plasma ° FROZEN

 1 day ° Chronometric method

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
Plasma with platelets removed by double centrifugation: 2500 g 15 min and settled plasma. The patient must not receive heparin.
The sample must be drawn at distance from any heparin treatment (UFH, LMWH, danaproid sodium)(2 days of turnaround time), rivaroxaban (XARELTO), apixaban (ELIQUIS), dabigatran (PRADAXA) (4 to 5 days of turnaround time).
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.
The assay should be performed after a 5-day discontinuation of the ODA treatment

Cisplatin - serum

CISPL *

1mL Serum ° Refrigerated

 3 weeks ° Atomic absorption

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
For the free form assay, please contact your Customer Service

Citalopram - serum

CITA

2mL Serum (do not use tubes with separator gel) ° FROZEN

 9 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration
The following examinations can be performed on the same sample: Citalopram; Duloxetine; Fluoxetine; Fluvoxamine; Mirtazapine; Paroxetine; Sertraline; Venlafaxine.

Citric acid - seminal plasma

CITSP

1mL Seminal plasma on fluoridated tube ° FROZEN

 15 days ° Chemistry - Spectrophotometry

 Sample to be collected after 2 to 5 days of abstinence.
Always indicate the ejaculate volume, the pH, sperms count and abstinence period.
Centrifuge and freeze the supernatant immediately.

Citric acid - serum

CIT *

1mL Serum ° FROZEN

 10 days ° Chemistry - Spectrophotometry

Citric acid - Urines

CITU

1tube(s) Non acidified 24hrs urine collection ° FROZEN

 5 days ° Spectrophotometry

 Shake the urine before aliquoting into a 5 mL haemolysis tube (do not overfill)
Store urine in a cool place during collection.
Specify diuresis
Excluding any urinary tract infection

 Tube for urine sample (4mL)-T28

Citrulline

CITRP

1mL heparinised plasma (do not use tubes with gel separators) ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R1-INTGB : Amino Acids - Organic Acids)
Sample in a fasting state (for infants, draw sample 3-4 hours after bottle)
Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.
Not to be confused with anti-citrullinated peptide antibodies

cKIT gene - exons 9, 11, 13, 17

CKIT *

Paraffin-embedded tumor block or paraffin slides ° Ambient temperature



CKIT gene - isolated

MYSKT

2mL EDTA bone marrow or DNA extracted : (200ng of DNA minimum) ° Ambient temperature



10 days (Results may require an extended turnaround time, one week, depending on the confirmation tests required by Sanger



Sample must be refrigerated if transport is > 48 hours
Use the specific request form B8-INTGB: Malignant blood disorders

Class I HLA - B*5701 allele - whole blood

B5701 *

5mL EDTA whole blood ° Ambient temperature



20 days ° PCR-SSP



According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
HLA B5701 can only be performed after Class I HLA analysis has been processed.
Kindly note that the 2 tests will be charged if performed.
Sample must be refrigerated if transport is > 48 hours
Complete and attach the information form available on www.biomnis.com together with the patient request form

Class I HLA - HLA-A and HLA-B genotyping - whole blood

HLA1

5mL EDTA whole blood ° Ambient temperature



5 days ° PCR SSO : Histo Spot kit



According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Sample must be refrigerated if transport is > 48 hours
Enclose the specific B12-INTGB request form: Molecular Genetics

Class II HLA - HLA-DQ and HLA-DR genotyping - whole blood

HLA2

5mL EDTA whole blood ° Ambient temperature



10 days ° PCR LABTYPE SSO Typing test



According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Sample must be refrigerated if transport is > 48 hours
Enclose the specific B12-INTGB request form: Molecular Genetics

Clindamycin - Serum

CLIND *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° Microbiological method

 Enclose the specific clinical information form (R18-INTGB : Infectious agents)

Clobazam - Serum

CLOB *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° GCMS

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration

Clomipramine - Serum

CLOMI *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° GCMS

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration

Clonazepam - Serum

CLOM *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° LCMS

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration

Clorazepate - Serum

CLORA *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° HPLC - High Performance Liquid Chromatography / DAD

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Clostridium difficile - Glutamate dehydrogenase (GDH) screening (+toxins)-stool

GDH

Fresh stool specimen ° Refrigerated



1 day ° Enzyme-immunoassay



Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology

If refrigerated, the sample must be processed at our laboratory within 72h from its collection. If sample older than 72h, please freeze.

This test is performed twice a week only (Mondays and Fridays). Please bear this in mind before you ship your request/sample.

Use purple bag (our ref. S14) for transport.

Please ensure that the sample's freezing and thawing dates and times are stated on the request form.

Failing to comply with any or all of the above may result in a non-conformity and our inability to perform the test.



S14: Special mycobacteria transport bags are to be used

Clostridium difficile - toxins-screening by PCR

CLOMB

soft stools ° Refrigerated



1 day ° Molecular biology



The use of the S14UK transport bag is Mandatory.

Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology



S14: Special mycobacteria transport bags are to be used

Clotiazepam - serum

COLZP

*

2mL Serum ° FROZEN



10 days ° HPLC - High Performance Liquid Chromatography / DAD



Do not use tubes with phase separator

1 individual aliquot for this analysis.

In accordance with the regulation, all requests must ALWAYS contain:

- the sampling date and time, the date and time of the last dose
- the reasons for the prescription (efficiency and/or toxicity test)
- the treatment start date and/or the date of any change of dosage
- the subject's age, height and weight, when possible
- the dosage data (quantity administered, frequency, administration route)
- the medical follow-up sheet

Cloxacillin - Serum

CLOXA

*

2mL Serum (do not use tubes with separator gel) ° FROZEN



1 week ° Microbiological method



Centrifuge the sample and decant rapidly

Enclose the specific clinical information form (R18-INTGB : Infectious agents)

Clozapine

CLOZA

0.5mL lithium heparin plasma (do not use tubes with separator gel) ° Refrigerated

 1 week ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration
The following examinations can be performed on the same sample: Aripiprazole; Clozapine; Haloperidol; olanzapine; Quétiapine; Risperidone.

CMML NGS panel (Chronic Myelomonocytic Leukemia)

MYSMO

2 x 5 ml EDTA whole blood or 2 ml EDTA bone marrow or DNA extracted : (200ng of DNA minimum) ° Ambient temperature

 10 days (Results may require an extended turnaround time, one week, depending on the confirmation tests required by Sanger)

 Sample must be refrigerated if transport is > 48 hours
Samples to be collected from Monday to Wednesday
Use the specific request form B8-INTGB: Malignant blood disorders
[To be translated]

 S9L: Envelopes yellow for karyotypes LYON

Cobalt

COST

3mL Sodium heparin whole blood (do not use gel separator tubes) ° Refrigerated

 15 days ° Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

 Sample at end of work shift and at end of working week

 T4 : Sodium Heparin tube

Cobalt - urines

COU *

10mL End of shift urine ° Refrigerated

 15 days ° Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

 Sample at end of work shift and at end of working week

 T9 : Urine flasks 70 ml

Cobicistat - plasma

COBIC *

3mL EDTA Plasma centrifuged immediately ° FREEZE

 2 weeks ° LCMS

 Enclose the specific clinical information form (R6-INTGB : Anti-retroviral medicines)
Sample at T0 (before intake), T+2h and/or 3 h (after intake)

Cocaine confirmation - blood test

COCS

1mL Fluor plasma in first intention. Lithium heparin plasma accepted. Do not use separator gel. ° Refrigerated

 10 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Spin down and immediately decant plasma from cells. Immediately decant the plasma.(maximum 1 hour)
[To be translated]

Cocaine - confirmation - urine

COCC *

1tube(s) Random urine ° Refrigerated

 3 weeks ° LCMS

 [To be translated]

 Tube for urine sample (4mL)-T28

Cocaine - screening - urine

COC

1tube(s) Random urine ° Refrigerated

 2 days ° Kinetic interaction of microparticules in solution (KIMS)

 [To be translated]

 Tube for urine sample (4mL)-T28

Coenzyme Q10 - CoQ10 - Serum

Q10

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° HPLC - High Performance Liquid Chromatography

 1 specific aliquot for this analysis

Colchicine - Serum

COLS *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° Liquid Phase Chromatography / Mass Spectrometry (LC-MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Cold agglutinins - screening - whole blood

AGF

5mL EDTA whole blood ° Ambient temperature

 2 days ° Gel-filtration

 A direct antiglobulin test is automatically performed in addition
Collect samples from Monday to Wednesday

Colistin - Serum

COLIS *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° Mass spectrometry (MS)

 Enclose the specific clinical information form (R18-INTGB : Infectious agents)

Congenital adrenal hyperplasia - whole blood

CYP2X *

5mL EDTA whole blood ° Ambient temperature

 30 days °

 Enclose the specific B12-INTGB request form: Molecular Genetics

Connexin 26 and 30 - Gene GJB2 and GJB6 - whole blood

CNX26 *

5mL EDTA whole blood (only) ° Refrigerated

 3 months ° Sequencing

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Enclose the specific B12-INTGB request form: Molecular Genetics

Constitutional karyotype - amniotic fluid - prenatal

CLA

10mL Amniotic fluid ° Ambient temperature

 10 to 14 days (depending on cells growth) ° Conventional cytogenetics: Culture + chromosome analysis

 For sample traceability purposes, we invite you to contact the International Division before sending samples
ALWAYS attach the medical prescription, the clinical patient's history and the consent form signed by both the patient and the prescribing clinical

 S9P: Envelopes orange for karyotypes PARIS

Constitutional karyotype - postnatal

CSG

5mL Whole blood sodium heparin, lithium heparin, ° Ambient temperature

 2 weeks (2 - 5 days for urgent samples) ° Conventional cytogenetics: Culture + chromosome analysis

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Use the specific form B13 : Cytogenetic

Constitutional Molecular Karyotype-SNP ARRAY

SNPRE

Liquide amniotique frais ou cultivé, villosités choriales fraîches ou cultivées ; Sang foetal ; ° Ambient temperature

 20 days ° SNP array

 For sample traceability purposes, we invite you to contact the International Division before sending samples ALWAYS attach the medical prescription, the clinical patient's history and the consent form signed by both the patient and the prescribing clinical
Transmettre un prélèvement EDTA maternel pour la recherche de contamination maternelle.

 S9L: Envelopes yellow for karyotypes LYON

Constitutional Molecular Karyotype - SNP ARRAY - Product of conception

SNPFC

Product of conception, aspiration product, placenta, cord, fetal tissue ° Ambient temperature

 20 days ° SNP array

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Use the specific form B3-INTGB: Cytogenetic
Container: sterile bottle filled with saline solution

 S9L: Envelopes yellow for karyotypes LYON

Constitutional Molecular Karyotype-SNP ARRAY - whole blood

SNPOS

EDTA whole blood ° Ambient temperature

 20 days ° SNP array

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Use the specific form B13 : Cytogenetic

 S9L: Envelopes yellow for karyotypes LYON

Copper

CU

2mL Sodium heparin plasma ((do not use tubes with separator gel) ° Refrigerated

 4 days ° ICP/MS

 Spin down and immediately decant plasma from cells. Immediately decant the plasma.(maximum 1 hour)
Hemolysed sample refused

 T4 : Sodium Heparin tube

Copper - exchangeable / free

CUEC *

[Indéfinie] 5 mL Serum
5 mL EDTA plasma ° FROZEN

 3 weeks ° ICP/MS

 Do not use gel tube

Copper - urine

CUU

1tube(s) 24hr Urine collection ° Refrigerated



1 week ° Atomic absorption or inductively coupled plasma-mass spectrometry



Specify diuresis



Tube for urine sample (4mL)-T28

Corticosterone - Compound B - serum

COS *

2mL Serum ° Refrigerated



2 weeks (if dilution/control needed - TAT 4 weeks ° Enzyme-immunoassay



CIRCADIAN RHYTHM: This biological molecule has a circadian rhythm (maximum concentration in morning), with a sufficiently significant amplitude to have an important influence on the clinical interpretation

Cortisol - Compound F - evening - saliva

CORSS

0.5mL Salivette® saliva sample ° FROZEN



2 weeks ° Radioimmunoassay



SPECIAL OR DELICATE SAMPLE: the kit used to collect and transport the saliva sample is called a "Salivette". It is available upon request. Before sampling, the patient must observe a time of at least 30 minutes without consuming food or acidic beverages. It is very important not to contaminate the saliva sample with blood, therefore, it is necessary to avoid brushing teeth before collection. The collection protocol is described in the package insert accompanying the sampling kit.
CIRCADIAN RHYTHM: This biological molecule has a circadian rhythm (maximum concentration in morning), with a sufficiently significant amplitude to have an important influence on the clinical interpretation

Cortisol - Compound F - evening - serum

CORS

1mL Serum ° Refrigerated



1 day ° Electrochemiluminescence



CIRCADIAN RHYTHM: This biological molecule has a circadian rhythm (maximum concentration in morning), with a sufficiently significant amplitude to have an important influence on the clinical interpretation
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Cortisol - Compound F - morning - saliva

CORSM

0.5mL Salivette® saliva sample ° FROZEN

 2 weeks ° Radioimmunoassay

 **SPECIAL OR DELICATE SAMPLE:** the kit used to collect and transport the saliva sample is called a "Salivette". It is available upon request. Before sampling, the patient must observe a time of at least 30 minutes without consuming food or acidic beverages. It is very important not to contaminate the saliva sample with blood, therefore, it is necessary to avoid brushing teeth before collection. The collection protocol is described in the package insert accompanying the sampling kit.
CIRCADIAN RHYTHM: This biological molecule has a circadian rhythm (maximum concentration in morning), with a sufficiently significant amplitude to have an important influence on the clinical interpretation

Cortisol - Compound F - saliva

CORSA

0.5mL Salivette® saliva sample ° FROZEN

 2 weeks (if dilution/control needed - TAT 4 weeks ° Radioimmunoassay

 **SPECIAL OR DELICATE SAMPLE:** the kit used to collect and transport the saliva sample is called a "Salivette". It is available upon request. Before sampling, the patient must observe a time of at least 30 minutes without consuming food or acidic beverages. It is very important not to contaminate the saliva sample with blood, therefore, it is necessary to avoid brushing teeth before collection. The collection protocol is described in the package insert accompanying the sampling kit.
CIRCADIAN RHYTHM: This biological molecule has a circadian rhythm (maximum concentration in morning), with a sufficiently significant amplitude to have an important influence on the clinical interpretation

 K5: Sample kit-Saliva

Cortisol - Compound F - serum

COR

1mL Serum ° Refrigerated

 1 day ° Electrochemiluminescence

 Collect the sample in the morning between 7 and 10 am, or according to the instructions from the prescribing party
CIRCADIAN RHYTHM: This biological molecule has a circadian rhythm (maximum concentration in morning), with a sufficiently significant amplitude to have an important influence on the clinical interpretation
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Cortisone - Compound E - plasma

CORTI *

2mL Heparin Plasma ° Refrigerated

 15 days ° HPLC - High Performance Liquid Chromatography

Cortisone - Compound E - urines

CORTU *

1tube(s) 24hr Urine collection ° Refrigerated

 15 days ° HPLC - High Performance Liquid Chromatography

 Specify diuresis
ATTENTION do not confuse with cortisol (urine): analysis
FLU

 Tube for urine sample (4mL)-T28

Cotinine - urine

COTI

1tube(s) Random urine ° Refrigerated

 1 day ° Enzyme-immunoassay

 Tube for urine sample (4mL)-T28

COVID 19 / Influenza virus A and B - panel - direct diagnosis - PCR

COVGR

Nasopharyngeal swab ° Refrigerated

 one day ° RT - PCR

 .
The use of the S14UK transport bag is Mandatory.
Use triple packaging.

 KCOVID19: COVID19 sampling kit

COVID-19 (SARS-CoV-2) - direct diagnosis - PCR

COVBM

1.5mL Nasopharyngeal swab, nasopharyngeal aspiration, Nasal swab, nasal lavage, BAL, oropharyngeal swab (only in symptomatic patients if nasopharyngeal cannot be performed), saliva(including self-sampling) ° Refrigerated

 36h ° RT - PCR

 .
Check the specific sampling protocol(KCOVID19PJ)
Enclose the specific clinical information form (R55 :
COVID-19)
Use triple packaging.
Swab samples require the use of a virus transport medium
supplied upon request M4RT (REMEL)
other biological samples must not be diluted, to be sent in a
plain tube
Please refer to the specific sampling protocol for saliva
collection
[To be translated]

 KCOVID19: COVID19 sampling kit

COVID-19 (SARS-CoV-2) IgG serology anti-S

GCOV

Serum no hémolysed (no 10 mL tube) ° Refrigerated

 1 day ° ELISA (Test Novalisa Novatec)

 Enclose the specific clinical information form (R57-INTGB)
To be performed during the immunological phase only,
from day 7 - day 14 after the appearance of the initial
clinical symptoms

COVID-19 - (SARS-CoV-2) - screening for S gene By RT-PCR

COVS

Nasopharyngeal swab, nasopharyngeal aspiration, Nasal swab, nasal lavage, BAL, oropharyngeal swab (only in symptomatic patients if nasopharyngeal cannot be performed), saliva(including self-sampling) ° Refrigerated

 variable TAT ° GSD NovaType III SARS-CoV-2 NovaTec
Immundiagnostica GmbH Sought mutations : E484K, E484Q,



.
Check the specific sampling protocol(KCOVID19PJ)
Enclose the specific clinical information form (R55 :
COVID-19)
Use triple packaging.
Swab samples require the use of a virus transport medium
supplied upon request M4RT (REMEL)
other biological samples must not be diluted, to be sent in a
plain tube

[To be translated]



KCOVID19: COVID19 sampling kit

COVID-19 (SARS-CoV-2) serology (total Ig) anti-N

SCOVI

1mL Serum no hemolysed (no 10 mL tube) ° Refrigerated

 2 days ° ECLIA(Elecsys Ig totales Cobas Roche)



1 specific aliquot for this analysis
Enclose the specific clinical information form (R57-INTGB)
To be performed during the immunological phase only,
from day 7 - day 14 after the appearance of the initial
clinical symptoms

Cow's milk and protein panel - specific IgE

PANLA

2mL Serum ° Refrigerated



Use the specific request form B62: allergological panel

Coxiella burnetii - phase 1 and 2 - serology - serum

COX12

1mL serum (do not use 10 mL tube) ° Refrigerated

 3 days ° Immunofluorescence



On specific request

Coxiella burnetii - serology - serum

COXBU

1mL serum (do not use 10 mL tube) ° Refrigerated

 3 days ° Immunofluorescence



Phase I and II titration and serology are triggered if the
phase II serology is positive.

C-peptide - serum

CPEP

1mL Serum ° FROZEN

 1 day ° Electrochemiluminescence

 Fasting sample
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

C-peptide - Urines

CPEPU

1tube(s) Non acidified 24hrs urine collection ° FROZEN

 1 day ° Electrochemiluminescence

 Specify diuresis
 Tube for urine sample (4mL)-T28

CPK - Creatine phosphokinase - isoenzymes - serum

ICK

2mL serum (do not use 10 mL tube) ° Refrigerated

 7 days ° Electrophoresis

 Not to be performed on haemolysed sample

CPK - Creatine phosphokinase MB - serum

CKMB

1mL Serum ° FROZEN

 1 day ° Electrochemiluminescence

CPK - Creatine phosphokinase total - serum

CK

1mL Non haemolysed serum ° Refrigerated

 1 day ° Chemistry - Spectrophotometry

Creatinine - clearance

CLCRE

15 mL of 24h Urine sample + 1 mL Serum ° Refrigerated

 1 day °

 Specify diuresis

Creatinine With 24 hours urine volume - urine

CRU24

1tube(s) 24hr Urine collection ° Refrigerated

 1 day ° Chemistry - Spectrophotometry

 Tube for urine sample (4mL)-T28

Creatorrhoea - faecal nitrogen dosage - stool

CRETO

[Indéfinie] Total of 24 hour stool samples ° Refrigerated

 2 days ° Chemistry - Spectrophotometry

 Enclose the specific clinical information form (R29-INTGB : Functional Coprology)
Collection of 24-, 48- or 72-hour stool samples.
If collection over 2 or 3 days, send all samples in one shipment.
An increase in nitrogen excretion may be observed associated with enteropathies and infectious diarrhoea due to the presence of mucus, red blood cells or leukocytes in the stool.

 T10 : Stool container 1l

CrossLaps

CROSS

1mL serum not aemolysed ° FROZEN

 1 day ° Electrochemiluminescence

 To be sample on morning, fasting sample, always at the same time
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

CrossLaps - urines

CROSU

2tube(s) 1st or 2nd Early morning urine ° FROZEN

 2 weeks ° Enzyme-immunoassay

 Fasting sample
The urinary creatinine will be tested systematically on the same sample (SFBC recommendations). The sampling method chosen must be retained in repeat prescriptions

 Tube for urine sample (4mL)-T28

CRP - C-reactive protein - serum

CRP

1mL Serum ° Refrigerated

 2 days ° Immuno turbidimetry

CRP - C-reactive protein - ultrasensitive - serum**CRPUS**

1mL Serum ° Refrigerated

 2 days ° Turbidimetry

Cryofibrinogen - screening - plasma**CRYFB**

2mL Citrated Plasma ° Refrigerated

 8 days ° Cryoprecipitation and if presence of a cryoprecipitate, identification using an anti-fibrinogen immune serum Sample taken with material at 37°C (needle, tube, etc.)
Decantation after centrifugation ideally at 37°C (prohibit use of cooled centrifugation) at 3500 rpm for 15 minutes.

Cryoglobulins - identification - Serum**CRYOI**

4mL Serum (do not use tubes with separator gel) ° Refrigerated

 2 days ° Immunofixation Fasting sample
Sampling in kit at +37°C. Coagulation and settling for 2 hours at +37°C, and decanting after centrifugation (15 mins at 2100g at +37°C). A sufficient volume of serum is essential to obtain a clear cryoprecipitate

Cryoglobulins - screening - Serum**CRYOR**

4mL Serum (do not use tubes with separator gel) ° Refrigerated

 10 days ° Cryoprecipitation Fasting sample
Send one separate and duly identified sample for this one test
Sampling in kit at +37°C. Coagulation and settling for 2 hours at +37°C, and decanting after centrifugation (15 mins at 2100g at +37°C). A sufficient volume of serum is essential to obtain a clear cryoprecipitate
The serum can be stored at +4°C for at least 3 days before shipment.
Identification performed automatically if the screening is positive.

Cryptococcus neoformans - soluble antigen - testing**CRYPD ***

1mL Serum, CSF, BAL or urine ° Refrigerated

 3 days ° Agglutination of sensitised latex beads The use of the S14UK transport bag is Mandatory.
Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology S14: Special mycobacteria transport bags are to be used

Cryptosporidia - screening

CRYPS *

Fresh stool specimen ° Refrigerated



1 week ° Microscopy exam after modified Ziehl-Neelsen staining



The use of the S14UK transport bag is Mandatory.
Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology



S14: Special mycobacteria transport bags are to be used

Cryptosporidies - Microsporidies - direct diagnosis - PCR

MCRBM

Stools
Digestive biopsies ° Refrigerated



10 days ° PCR



The use of the S14UK transport bag is Mandatory.
Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology
Stools should be placed in a sterile tube (without transport medium)
Biopsies should be placed in a sterile tube with a drop of sterile physiological water.
All histological fixatives are forbidden.



S14: Special mycobacteria transport bags are to be used

CSF

ACPIL *

1mL CSF ° Refrigerated



45 days ° Immunofluorescence



Enclose the specific clinical information form (R60-INTGB : anti neuronal Abs)
No compact or urine container for CSF samples

1 mL refrigerated serum
 1 mL frozen plasma
 5 mL Salivette® saliva sample
 4 mL Non acidified 24hrs urine collection °

 2 weeks ° Electrochemiluminescence Immunoassay (ECLIA) and radioimmunoassay

 Collect the sample in the morning between 7 and 10 am, or according to the instructions from the prescribing party
 Not to be performed on haemolysed sample
 Sampling and transportation conditions:
 - sampling on EDTA tube: sample on a cooled tube at 4°C, centrifuge at +4°C immediately and FREEZE the plasma immediately
 OR
 - sampling on special tube (EDTA + Aprotinin) supplied upon request: centrifuge at +4°C and FREEZE the plasma
 Specify diuresis
 SPECIAL OR DELICATE SAMPLE: the kit used to collect and transport the saliva sample is called a "Salivette". It is available upon request. Before sampling, the patient must observe a time of at least 30 minutes without consuming food or acidic beverages. It is very important not to contaminate the saliva sample with blood, therefore, it is necessary to avoid brushing teeth before collection. The collection protocol is described in the package insert accompanying the sampling kit.
 CIRCADIAN RHYTHM: This biological molecule has a circadian rhythm (maximum concentration in morning), with a sufficiently significant amplitude to have an important influence on the clinical interpretation
 ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

CXCR4 mutation - Bone marrow

CXCR4 *

Bone marrow ° Ambient temperature

 1 month ° RT - PCR

 Attach:
 - the results of the FBC - platelets
 - the immunophenotyping report
 Sample must be refrigerated if transport is > 48 hours
 Use the specific request form B8-INTGB: Malignant blood disorders

Cyamemazine - Serum

TER *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 11 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
 1 individual aliquot for this analysis.
 Always draw blood at the same time before another administration

Cyclohexanol - urine

HEXAU *

10mL urine sample ° Refrigerated

 2 weeks ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 Sample at end of work shift

 T9 : Urine flasks 70 ml

Cycloserine - Serum

CYSER *

1mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° Microbiological method

 Enclose the specific clinical information form (R18-INTGB : Infectious agents)

Cyclosporin

CICLO

1mL Sang total EDTA ° Refrigerated

 3 days ° LCMS/MS

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
ALWAYS specify "Residual or 2 hours after administration"
Do not use heparin

Cyfra 21-1 antigen - aspiration biopsy

CYFD

1mL Aspiration biopsy ° Refrigerated

 1 day ° Electrochemiluminescence

 ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Cyfra 21-1 antigen - serum

CYF

1mL Serum ° Refrigerated

 1 day ° Electrochemiluminescence

 ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Cystatin C - serum

CYS

1mL Serum ° Refrigerated

 2 days ° Nephelometry

Cysticercosis - confirmation serology

TENAC

1mL Serum (no 10 mL tube) or CSF ° Refrigerated

 7 days ° Western-Blot

Cysticercosis - confirmation serology - CSF

TENAD

1mL CSF ° Refrigerated

 7 days ° Western-Blot

Cysticercosis - Taenia Solium - IgG serology - serum

TAE

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Enzyme-immunoassay

 If positive, the confirmation test is automatically performed.

Cystic Fibrosis - CFTR gene - detection of 51 mutations

MUCOL

Fresh or cultured amniotic fluid, fresh or cultured trophoblast ° Ambient temperature

 1 week ° Elucigen method CF EU2V1 or sequencing

 5 ml of whole blood on EDTA from each parent (quotation on request) is required to perform this test
According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Enclose the specific clinical information form (R23-INTGB : Cystic fibrosis gene analysis (CFTR gene))

Cystic fibrosis - CFTR gene - detection of 51 mutations - whole blood

MUCO

5mL EDTA whole blood (only) ° Ambient temperature

 10 days ° Elucigen method CF EU2V1 or sequencing

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Enclose the specific clinical information form (R23-INTGB : Cystic fibrosis gene analysis (CFTR gene))
Sample must be refrigerated if transport is > 48 hours
Enclose the specific B12-INTGB request form: Molecular Genetics
Le dépistage préconceptionnel de la mucoviscidose ne peut être réalisé car interdit en France.

2tube(s) Early morning urine (fasting) ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography

-  Enclose the specific clinical information form (R1-INTGB : Amino Acids - Organic Acids)
Fasting sample
Sample to be frozen within 1 hour. Home sampling is not advisable.
The urine creatinine level, essential information for the result interpretation, is systematically performed

 Tube for urine sample (4mL)-T28

Cytomegalovirus - CMV - - direct diagnosis - PCR

CMVBM

EDTA whole blood or serum/EDTA plasma, urine (5 ml), CSF (0.5 ml minimum): quantitative result (viral load)
Rhinopharynx, bronchial secretions, BAL, aqueous humor, biopsy (digestive, pulmonary, cerebral), female genital sample, puncture fluid, sputum, sperm, saliva, bone marrow (EDTA): Qualitative result ° Refrigerated

 3 days ° Real-time PCR

-  Biopsies should be placed as they are, in a dry tube .
The use of the S14UK transport bag is Mandatory.
All histological fixatives are forbidden.
However, other biological samples must not be diluted .
Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Cytomegalovirus - CMV - - direct diagnosis - PCR - amniotic fluid

CMVLA

10mL amniotic fluid ° Refrigerated

 1 week ° Real-time PCR

-  Must include the request form (B3) and the patient's informed consent (D44)
The use of the S14UK transport bag is Mandatory.
Subsequently, please send us the pregnancy monitoring form (R10: monitoring-pregnancy-Infectious agents)

 S14: Special mycobacteria transport bags are to be used

Cytomegalovirus - CMV - IgG avidity test - serum

CMVAV

1mL Serum ° Refrigerated

 2 days ° EIA

-  Storage temperature (2-8°C) < 7 days during transport of specimen.
On specific request
ALWAYS attach serological results
Attach the clinical data

Cytomegalovirus - CMV - - IgG/IgM serology - serum

CMV

1mL Serum ° Refrigerated

 2 days ° ECLIA

 Storage temperature (2-8°C) < 7 days during transport of specimen.

Cytomegalovirus - CMV - - IgG serology - serum

CMVG

1mL Serum ° Refrigerated

 2 days ° EIA

 Storage temperature (2-8°C) < 7 days during transport of specimen.
On specific request

D4A - Delta-4-Androstenedione - serum

D4

1mL Serum ° Refrigerated

 2 days ° Radioimmunoassay

Dabigatran - Measurement of the Dabigatran anti lia activity - plasma

DABI

1mL Citrated Plasma ° FROZEN

 1 day ° Chronometric method

 Sample to be frozen within 1 hour. Home sampling is not advisable.
Specify the Pradaxa daily dose, the drug intake and sample time
The sampling has to be made at residual time (just before drug intake) or during the activity peak (2 hours after drug intake). In case of overdose and treatment by antidote (PRAXBIND), the dabigatran level could be performed to level the circulating residual concentration. The balance state is obtained after 3 day of treatment
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Darunavir - Serum

DARU *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 3 weeks ° LCMS

 Enclose the specific clinical information form (R6-INTGB : Anti retroviral treatment)

D-Dimers - plasma

DDI

1mL Citrated Plasma ° FROZEN

 1 day ° Immuno turbidimetry

 1 individual aliquot for this analysis.
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Debranching enzyme (GSD III) - whole blood

GSD3 *

2mL EDTA whole blood ° Ambient temperature

 3 weeks °

delta-Aminolevulinic acid - urine

ALAU *

10mL early morning urine sample (stored away from light) ° Refrigerated

 3 weeks ° Chromatography - Colorimetry

 T9 : Urine flasks 70 ml

Dengue fever - direct diagnosis - PCR

DENBM

1mL Plasma EDTA, Sérum, Urines, saline ° Refrigerated

 3 days ° Real-time PCR

 Enclose the specific clinical information form (R28-INTGB : Dengue-Chikungunya-West Nile-Zika)
Sample to be collected up to 7 days after the clinical symptoms onset
The use of the S14UK transport bag is Mandatory.
[To be translated]

 S14: Special mycobacteria transport bags are to be used

Dengue fever - direct diagnosis - PCR - amniotic fluid

DENLA

10mL amniotic fluid °

 1 week ° Real-time PCR

 Must include the request form (B3) and the patient's informed consent (D44)
ALWAYS attach the clinical information form for Dengue-Chikungunya-Zika infection (R28-INTGB) and the consent form signed by the patient and the prescribing pathologist
The use of the S14UK transport bag is Mandatory.
Subsequently, please send us the pregnancy monitoring form (R10: monitoring-pregnancy-Infectious agents)

 S14: Special mycobacteria transport bags are to be used

Dengue fever - IgG/IgM serology - serum

DENG

1mL serum (do not use 10 mL tube) ° Refrigerated

 3 days ° Enzyme-immunoassay

 Enclose the specific clinical information form (R28-INTGB : Dengue-Chikungunya-West Nile-Zika)
Only to be performed in the immune phase, i.e., from Day 5 after the onset of clinical signs

Dengue fever - NS1 antigen - serum

DENAG

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 day ° Immuno chromatography

 Enclose the specific clinical information form (R28-INTGB : Dengue-Chikungunya-West Nile-Zika)
Not to be confused with Dengue fever serology
Dengue early diagnosis, between the 1st to the 5th days after clinical symptoms onset

Density - urine

DENSU

1tube(s) Sample urine ° Refrigerated

 2 days ° Automated colorimétrique band reading (Siemens)

 1 individual aliquot for this analysis.
 Tube for urine sample (4mL)-T28

Designated bacterium - direct diagnosis - PCR

BACBM *

[To be translated] ° Refrigerated

 1 week ° Real-time PCR

 Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology
 S14: Special mycobacteria transport bags are to be used

Detection and identification bacterial DNA by NGS sequencing

PCRUN

Aqueous humor, Vitreous humour, cerebro-spinal fluid, joint fluid, ascitic fluid, pericardial fluid, pleural fluid, bone, valve, EDTA whole blood, biopsy, freshly transplanted pure strain ° Refrigerated

 10 days ° NGS sequencing

 1 individual aliquot for this analysis.
[To be translated]
Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology

Dextropropoxyphene - urine

PROPU *

1tube(s) urine ° Refrigerated

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)

 Tube for urine sample (4mL)-T28

DHEA - Dehydroepiandrosterone - saliva

DHASA

0.5mL Salivette® saliva sample ° FROZEN

 1 month ° ELISA

 SPECIAL OR DELICATE SAMPLE: the kit used to collect and transport the saliva sample is called a "Salivette". It is available upon request. Before sampling, the patient must observe a time of at least 30 minutes without consuming food or acidic beverages. It is very important not to contaminate the saliva sample with blood, therefore, it is necessary to avoid brushing teeth before collection. The collection protocol is described in the package insert accompanying the sampling kit.
CIRCADIAN RHYTHM: This biological molecule has a circadian rhythm (maximum concentration in morning), with a sufficiently significant amplitude to have an important influence on the clinical interpretation

 K5: Sample kit-Saliva

DHEA - Dehydroepiandrosterone - serum

DHA

1mL Serum ° Refrigerated

 3 days ° Radioimmunoassay

 CIRCADIAN RHYTHM: This biological molecule has a circadian rhythm (maximum concentration in morning), with a sufficiently significant amplitude to have an important influence on the clinical interpretation

DHEAS - Dehydroepiandrosterone sulfate - serum

SDHA

1mL Serum ° Refrigerated

 1 day ° Chemiluminescence or luminescence

 1 individual aliquot for this analysis.
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

DHPR - activity - blotting paper

DHPRX *

Guthrie card only ° Ambient temperature

 3 weeks °

DHT - Dihydrotestosterone - serum

DHT

3mL Serum ° Refrigerated

 6 days ° Chromatography - Extraction - Radioimmunoassay

Diamine oxydase (DAO) - activity - serum

DAO

1mL Non haemolysed serum ° FROZEN

 2 weeks ° Enzyme-immunoassay

Diazepam + desmethyldiazepam - Serum

DIAZ *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° GCMS

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Dibekacin - Serum

DIBE *

2mL Serum (do not use tubes with separator gel) ° Refrigerated

 4 days ° Enzyme-immunoassay

 Centrifuge the sample and decant rapidly
Enclose the specific clinical information form (R18-INTGB : Infectious agents)

Dichloromethane - urine

DCMU *

10mL urine sample ° Refrigerated

 2 weeks ° Gas Phase Chromatography / electron captors

 Glass container with PTFE stopper, supplied upon request
 T18 : Glass flask, PTFE lid for organic solvents detection - urine

Dichloromethane - whole blood

DCM *

5mL EDTA whole blood or Heparin ° Refrigerated

 2 weeks ° Gas Phase Chromatography / electron captors

 Do not use tubes containing merthiolate
Sample at end of work shift
Transfer whole blood into a special glass tube with a PTFE lid
 T17 : Glass tube, PTFE lid for organic solvents detection - blood

Digoxin - serum

DIGO

1mL Serum ° Frozen

 1 day ° Kinetic interaction of microparticules in solution (KIMS)

 1 specific aliquot for this analysis
Enclose the specific clinical information form (R13-INTGB : Medication quantification)
Always draw blood at the same time before another administration

Diltiazem - serum

DILTI *

2mL Serum ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography / UV detection

 Do not use tubes with phase separator
1 individual aliquot for this analysis.
In accordance with the regulation, all requests must ALWAYS contain:
- the sampling date and time, the date and time of the last dose
- the reasons for the prescription (efficiency and/or toxicity test)
- the treatment start date and/or the date of any change of dosage
- the subject's age, height and weight, when possible
- the dosage data (quantity administered, frequency, administration route)
- the medical follow-up sheet

Diphtheria - immunity test - IgG serology - serum

DIPH

1mL serum (do not use 10 mL tube) ° Refrigerated

 7 days ° Enzyme-immunoassay

Dipyridamole - Serum

DIPYR *

2mL Serum (to be stored away from light) ° Refrigerated

 Variable TAT ° HPLC - High Performance Liquid Chromatography

 In accordance with the regulation, all requests must ALWAYS contain:
- the sampling date and time, the date and time of the last dose
- the reasons for the prescription (efficiency and/or toxicity test)
- the treatment start date and/or the date of any change of dosage
- the subject's age, height and weight, when possible
- the dosage data (quantity administered, frequency, administration route)
- the medical follow-up sheet

Direct LDL cholesterol - serum

LDL

1mL Non haemolysed serum ° Refrigerated

 1 day ° Chemistry - Spectrophotometry

 Fasting sample
As part of a disrupted lipid abnormality analysis

Disopyramide - serum

DISO *

2mL Imperative serum volume (tubes with gel separators are forbidden) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB :
Medication quantification)
1 individual aliquot for this analysis.

Distomatosis - confirmation serology - serum

DISTC

1mL serum (do not use 10 mL tube) ° Refrigerated

 4 days ° Western-Blot

Distomatosis - screening serology - serum

DISTO

1mL serum (do not use 10 mL tube) ° Refrigerated

 3 days ° Haemagglutination

 If positive, the confirmation test is automatically performed.

Diuretics - screening and dosage - urine

RDIU *

15mL urine sample ° Refrigerated

 2 weeks ° HPLC - High Performance Liquid Chromatography /
DAD

 T9 : Urine flasks 70 ml

D-lactate - urines

DLACX *

10mL Urines ° FREEZE

 2 weeks °

DNA fragmentation test - DNA decondensation - SCSA - Sperm

FRASP

300µL Sperm (imperative volume) ° FROZEN

 1 week ° Flow Cytometry

 Sample must be taken after 3-5 days of abstinence.

Freeze the sample within 1 hour after sampling
Estimate the sperm concentration (this must be greater than 2 millions/mL, any lower and the test cannot be carried out).

Also note the vitality of the sperm (% live sperm).

2 x 300 µL Sperm (imperative volume) frozen - 25 ° C at least within 1 hour.

Enclose the specific clinical information form (R2-INTGB : Sperm DNA fragmentation test)

Refer the sampling protocol P22 to prepare sample for this test

 T12 : Cryotubes Sperm DNA fragmentation (SCSA)

Dolutegravir - Serum

DOLUT *

3mL Serum (do not use tubes with separator gel) ° Frozen

 3 weeks ° HPLC - High Performance Liquid Chromatography / UV detection

 Enclose the specific clinical information form (R6-INTGB : Anti-retroviral medicines)

Doravirine

DORAV *

3mL EDTA plasma ° FROZEN

 3 weeks ° LCMS/MS

 Enclose the specific clinical information form (R6-INTGB : Anti retroviral treatment)

Dosulepin - Serum

DOSUL *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Doxepin - Serum

DOXEP *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° LCMS

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Doxycycline - Serum

DOXY *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° Microbiological method

 Enclose the specific clinical information form (R18-INTGB : Infectious agents)

Droperidol - serum

DROPE *

2mL Serum ° FROZEN

 2 weeks ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Drugs - screening - urine

DROGU

1tube(s) Random urine ° Refrigerated

 1 day ° Kinetic interaction of microparticles in solution (KIMS)

 This mixture includes amphetamines, methamphetamine, cannabis, cocaine and opiates.
[To be translated]

 Tube for urine sample (4mL)-T28

Duchenne's muscular dystrophy - whole blood

MDUCH *

5mL EDTA whole blood ° Ambient temperature

 30 days ° MLPA

 Attach consent

Duloxetine - serum

DULO

2mL Serum (do not use tubes with separator gel) ° FROZEN

 9 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration
The following examinations can be performed on the same sample: Citalopram; Duloxetine; Fluoxetine; Fluvoxamine; Mirtazapine; Paroxetine; Sertraline; Venlafaxine.

Echinococcosis - confirmation serology - serum

HYDWB

1mL serum (do not use 10 mL tube) ° Refrigerated

 4 days ° Western-Blot

Echinococcosis - screening serology - serum

HYD

1mL serum (do not use 10 mL tube) ° Refrigerated

 4 days ° Enzyme-immunoassay + haemagglutination

 If positive, the confirmation test is automatically performed.

ECP - Eosinophil Cationic Protein

ECP

1mL Serum on tube with phase separator and coagulation activator ° FREEZE before sending

 1 week ° Fluorescent enzyme-immunoassay

 Prohibit use of haemolysed serum
Turn the tube over several times without stirring or centrifuging.
Leave to coagulate for 60 to 120 minutes at room temperature (22°C +/-1°C)
Centrifuge at 1000-1300 g for 10 min at room temperature.

Transfer the serum into a new tube and freeze.
The type of tube used for the sample, coagulation time and temperature should be perfectly monitored because these parameters affect the concentration of the ECP released into serum samples.

Eczema profile - specific IgE

PROEC

2mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay - Phadia-ThermoFisher Scientific

 Use the specific request form B62: allergological panel

Efavirenz

EFAV *

3mL EDTA Plasma ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography

 Sample at TO (before intake) T1H and T3H (after intake)
Enclose the specific clinical information form (R6-INTGB : Anti retroviral treatment)

Egg panel - specific IgE

PANOE

2mL Serum ° Refrigerated



3 days ° Fluorescent enzyme-immunoassay - Phadia-ThermoFisher Scientific



Use the specific request form B62: allergological panel

Elastase - stool

ELASS

20g Stool sample ° Refrigerated



3 days ° Enzyme-immunoassay



Enclose the specific clinical information form (R29-INTGB : Functional Coprology)
Use : small pot
Liquid stools are accepted but the dilution may result in underestimation of elastase levels.

Electrolytes stool - stool

IONSP

[Indéfinie] Total of 24 hour stool samples ° Refrigerated



7 days ° Ionometry



Enclose the specific clinical information form (R29-INTGB : Functional Coprology)
Collection of 24-, 48- or 72-hour stool samples.
If collection over 2 or 3 days, send all samples in one shipment.



T10 : Stool container 1l

Elvitegravir - Serum

ELVET *

3mL Serum (do not use tubes with separator gel) ° FREEZE



2 weeks ° LCMS



Enclose the specific clinical information form (R6-INTGB : Anti-retroviral medicines)
Sample at T0 (before intake), T+2h and/or 3 h (after intake)

Emtricitabine - plasma

EMTRI *

3mL EDTA Plasma centrifuged immediately ° FROZEN



3 weeks ° HPLC - High Performance Liquid Chromatography



Enclose the specific clinical information form (R6-INTGB : Anti retroviral treatment)

Entecavir - plasma

ENTKV *

2 EDTA Plasma ° FROZEN



3 weeks ° HPLC - High Performance Liquid Chromatography



Enclose the specific clinical information form (R6-INTGB : Anti retroviral treatment)

Enteropathogenic Escherichia coli - various specimen

STYPB *

Various types of specimen ° Refrigerated



The use of the S14UK transport bag is Mandatory.
Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology



S14: Special mycobacteria transport bags are to be used

Enterovirus - direct diagnosis - PCR

COXBM

Nasopharynx, bronchial secretions, BAL, cutaneous mucous, ocular, stool samples CSF ° Refrigerated



3 days ° Real-time PCR



The use of the S14UK transport bag is Mandatory.
other biological samples must not be diluted, to be sent in a plain tube
Swab collection requires the use of a virus transport medium provided in the K13 kit.



K1: Virus screening kit by culture or PCR

Enterovirus - direct diagnosis - PCR - amniotic fluid

COXLA

10mL amniotic fluid °



1 week ° Real-time PCR



[To be translated]
The use of the S14UK transport bag is Mandatory.
Subsequently, please send us the pregnancy monitoring form (R10: monitoring-pregnancy-Infectious agents)



S14: Special mycobacteria transport bags are to be used

Epidermal growth factor (EGF) - serum

EGF

1mL serum (do not use 10 mL tube) ° FREEZE



21 days ° Chemiluminescence

Epstein-Barr Virus - EBV - direct diagnosis - PCR

EBVBM

Biopsy, rhinopharyngeal, bronchial secretions, BAL, saliva, aqueous humor ° Refrigerated



3 days ° Real-time PCR



Biopsies should be placed as they are, in a dry tube .
The use of the S14UK transport bag is Mandatory.
All histological fixatives are forbidden.
other biological samples must not be diluted, to be sent in a plain tube
Swab collection requires the use of a virus transport medium provided in the K13 kit.



K1: Virus screening kit by culture or PCR

Epstein-Barr Virus - EBV - direct diagnosis - PCR - amniotic fluid**EBVLA**

10mL amniotic fluid °

 1 week ° Real time TaqMan PCR

-  Must include the request form (B3) and the patient's informed consent (D44)
The use of the S14UK transport bag is Mandatory.
Subsequently, please send us the pregnancy monitoring form (R10: monitoring-pregnancy-Infectious agents)
-  S14: Special mycobacteria transport bags are to be used

Epstein-Barr Virus - EBV - IgA EA serology - serum**EAA**

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Immunofluorescence

Epstein-Barr Virus - EBV - IgG EA serology - serum**EAG**

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Immunofluorescence

Epstein-Barr Virus - EBV - MNI test - serum**MNI**

1mL Serum ° Refrigerated

 1 day ° Agglutination

-  Storage temperature (2-8°C) < 7 days during transport of specimen.
If the result is negative, the EBVG and EBVM analyzes are triggered.

Epstein-Barr Virus - EBV - VCA IgA serology - serum**VCAA**

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Immunofluorescence

Epstein-Barr Virus - EBV - VCA IgG, EBNA, IgG serology - serum**EBVG**

1mL Serum ° Refrigerated

 2 days ° EIA

-  Storage temperature (2-8°C) < 7 days during transport of specimen.

Epstein-Barr Virus - EBV - VCA IgG/IgM and EBNA IgG serology - serum**EBV**

1mL Serum ° Refrigerated

 1 day ° EIA

Epstein-Barr Virus - EBV - VCA IgM serology - serum**EBVM**

1mL Serum ° Refrigerated

 2 days ° EIA Storage temperature (2-8°C) < 7 days during transport of specimen.

Epstein-Barr Virus - EBV - viral load - PCR**EBVQ**

[Indéfinie] 2 ml of EDTA whole blood or blood derivatives (serum)plasma), urine, minimum of 0.5 ml CSF refrigerated °

 3 days ° Real-time PCR The use of the S14UK transport bag is Mandatory. S14: Special mycobacteria transport bags are to be used

Erythrocyte direct Coombs - whole blood**COOMD**

1mL EDTA whole blood ° Refrigerated

 1 day ° Direct antiglobulin test using gel-filtration technique Specificities to be screened for: anti-IgG and anti-C3d

Erythrocyte fatty acids - chromatography - Total EDTA blood**GRASE**

5mL Total EDTA blood ° Refrigerated

 21 days ° Gas Phase Chromatography 1 individual aliquot for this analysis.

Erythrocyte ferritin**FTE ***

5mL Lithium heparin whole blood (do not use gel separator tubes) ° Refrigerated

 1 week ° Enzyme-immunoassay 1 specific aliquot for this analysis
4 days stability
Specify the FBC results: red blood cells and haemoglobin

Erythrocyte folic acid - whole blood

FOLE

2mL EDTA whole blood ° Refrigerated

 1 day ° Chemiluminescence

 Fasting sample

Erythrocyte lithium - whole blood

LIE *

2mL EDTA whole blood ° Refrigerated

 4 days ° Spectrometry

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
Standard collection : collect the sample in the morning 12hrs after administration and before any further treatment
Prolonged administration collection : (given in the evening) collect sample in the morning 12hrs after administration or in the evening 24 hrs after administration and before any further treatment

Erythrocyte magnesium - whole blood

MGE *

3mL Heparin whole blood (stored away from light) ° Refrigerated

 4 days ° Spectrometry

Erythrocyte metformin - whole blood

METFE *

5mL Heparin whole blood ° Refrigerated

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)

Erythrocyte porphyrins

POE *

10mL EDTA Whole Blood (store away from light) ° Refrigerated

 10 days ° Spectrophotometry

 Please attach the specific clinical information sheet (R43: Porphyrins)
The sample MUST reach us within 48 hours following sample collection.
Collect samples from Monday to Wednesday

Erythrocyte pyruvate kinase - whole blood

PKE *

5mL ACD whole blood ° Refrigerated

 2 weeks ° Spectrophotometry

 1 individual aliquot for this analysis.
do not collect before the age of 1 year

 T16: ACD tube (provided on request)

Erythrocytes morphological aspect

SCHIZ

1 Non-stained thin blood smears ° Ambient temperature

 1 day ° Microscopy

Erythropoietin - serum

ERY

1mL Serum ° Frozen

 1 day ° Chemiluminescence

 Collect sample the morning between 7.30 and 12am
recommended
Do not use EDTA, haemolysed samples

Escitalopram - serum

ESCIT *

2mL Serum ° FREEZE

 15 days ° High-performance liquid chromatography /
Spectrometry

 Enclose the specific clinical information form (R13-INTGB :
Medication quantification)
.
1 individual aliquot for this analysis.

Estazolam - Serum

ESTAZ *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography /
DAD

 Enclose the specific clinical information form (R13-INTGB :
Medication quantification)
1 individual aliquot for this analysis.

Etanercept - serum

ETAN *

1mL Serum ° FROZEN

 3 weeks ° Enzyme-immunoassay

 Always draw blood at the same time before another
administration

Ethambutol - Serum

ETHM *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° UHPLC-ESI/MS

-  Specify:
- the reasons for the prescription (efficiency and/or toxicity test),
 - the sampling time
 - the treatment start date and/or the date of any change of dosage
 - the dosage data (quantity administered, frequency, administration route),
 - the subject's age, height and weight if possible.

Ethosuximide - serum

ETHO *

1mL Serum (do not use tubes with separator gel) ° FREEZE before sending

 5 days ° LCMS/MS

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 frozen aliquot specific for this analysis.
Always draw blood at the same time before another administration

Ethoxyacetic acid - urine

ETHOU *

10mL urine sample ° Refrigerated

 2 weeks ° Gas Phase Chromatography / FID detection

-  Sample at end of work shift
-  T9 : Urine flasks 70 ml

Ethyl alcohol

ETHU

1tube(s) Urines ° Refrigerated

 2 days ° Spectrophotometry

-  Storage: Samples should be stored in tightly closed tubes. Samples that contain a precipitate should be centrifuged before analysis.
-  Tube for urine sample (4mL)-T28

Ethyl alcohol - serum

ALCOL

1mL Serum ° Refrigerated

 1 day ° Chemistry - Spectrophotometry

-  No disinfection of sampling point with alcohol

Ethylene glycol - serum

EGLY

*

5mL Serum ° FROZEN

 10 days ° Gas Phase Chromatography / FID detection

 1 individual aliquot for this analysis.
In urine, it is necessary to assay oxalic acid which is the metabolite of ethylene-glycol

Ethyl glucuronide - urine

ETGLU

*

2mL Urine ° FROZEN

 3 weeks °

 [To be translated]

 [To be translated]

Ethyl loflazepate

LOFLA

*

2mL Serum (do not use tubes with separator gel) ° FREEZE

 Variable TAT ° HPLC - High Performance Liquid Chromatography

 1 individual aliquot for this analysis.
In accordance with the regulation, all requests must ALWAYS contain:
- the sampling date and time, the date and time of the last dose
- the reasons for the prescription (efficiency and/or toxicity test)
- the treatment start date and/or the date of any change of dosage
- the subject's age, height and weight, when possible
- the dosage data (quantity administered, frequency, administration route)
- the medical follow-up sheet

Etravirine

ETRAV

*

3mL EDTA Plasma ° FROZEN

 3 weeks ° LCMS/MS

 Enclose the specific clinical information form (R6-INTGB : Anti retroviral treatment)

Everolimus

EVERO

1mL Sang total EDTA ° Refrigerated

 3 days ° LCMS/MS

 1 specific aliquot for this analysis
Enclose the specific clinical information form (R13-INTGB : Medication quantification)

5mL EDTA whole blood (tube completely filled). 1 extracted DNA tube (minimum volume 50µL with a minimum quantity of 1µg/500ng for the prenatal) ° Ambient temperature

 4 weeks for the interpreted exome excluding confirmatory analyses and 2 weeks to make the data available in seqone for

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Trio whole exome sequencing assay requires an EDTA whole blood sample for each parent (mother and father)
If the sample is transported at room temperature, the sample must reached our facility within 4 days. in case of longer transport time, please send the sample in refrigerated condition.
Please inform us when an urgent or prenatal exome is expected.
Please see the specific form N34- Whole exome sequencing
Please attach the specific request form B34-INTGB Exome analysis
Please ensure to attached a maternal EDTA whole blood sample to each prenatal exome sample request (screening for maternal contamination)
Also attach the certificate of information and consent of the pregnant woman D44 as well as the specific request form for antenatal diagnosis B3

 K34 : Kit Exome

Exome Congenital heart defects

EXMCC

50mL EDTA whole blood (tube completely filled). 1 extracted DNA tube (minimum volume 50µL with a minimum quantity of 1µg/500ng for the prenatal) ° Ambient temperature

 4 weeks for the interpreted exome excluding confirmatory analyses and 2 weeks to make the data available in seqone for

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Trio whole exome sequencing assay requires an EDTA whole blood sample for each parent (mother and father)
If the sample is transported at room temperature, the sample must reached our facility within 4 days. in case of longer transport time, please send the sample in refrigerated condition.
Please inform us when an urgent or prenatal exome is expected.
Please see the specific form N34- Whole exome sequencing
Please attach the specific request form B34-INTGB Exome analysis

 K34 : Kit Exome

5mL EDTA whole blood (tube completely filled). 1 extracted DNA tube (minimum volume 50µL with a minimum quantity of 1µg/500ng for the prenatal) ° Ambient temperature



4 weeks for the interpreted exome excluding confirmatory analyses and 2 weeks to make the data available in seqone for



According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist

Trio whole exome sequencing assay requires an EDTA whole blood sample for each parent (mother and father)

If the sample is transported at room temperature, the sample must reach our facility within 4 days. In case of longer transport time, please send the sample in refrigerated condition.

Please inform us when an urgent or prenatal exome is expected.

Please see the specific form N34- Whole exome sequencing

Please attach the specific request form B34-INTGB Exome analysis



K34 : Kit Exome

Exome Panel for chronic and hereditary pancreatitis

EPANC

5mL EDTA whole blood (tube completely filled). 1 extracted DNA tube (minimum volume 50µL with a minimum quantity of 1µg/500ng for the prenatal) ° Ambient temperature



4 weeks for the interpreted exome excluding confirmatory analyses and 2 weeks to make the data available in seqone for



According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist

Trio whole exome sequencing assay requires an EDTA whole blood sample for each parent (mother and father)

If the sample is transported at room temperature, the sample must reach our facility within 4 days. In case of longer transport time, please send the sample in refrigerated condition.

Please inform us when an urgent or prenatal exome is expected.

Please see the specific form N34- Whole exome sequencing

Use the specific request form B59: Hereditary pancreatitis



K34 : Kit Exome

5mL EDTA whole blood (tube completely filled). 1 extracted DNA tube (minimum volume 50µL with a minimum quantity of 1µg/500ng for the prenatal) ° Ambient temperature

 4 weeks for the interpreted exome excluding confirmatory analyses and 2 weeks to make the data available in SeqOne for

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Trio whole exome sequencing assay requires an EDTA whole blood sample for each parent (mother and father)
If the sample is transported at room temperature, the sample must reach our facility within 4 days. In case of longer transport time, please send the sample in refrigerated condition.
Please inform us when an urgent or prenatal exome is expected.
Please see the specific form N34- Whole exome sequencing
Please attach the specific clinical information sheet (R51-INTGB:Genetic characterization of male infertility)

 K34 : Kit Exome

Exome with interpretation interface

EXSEQ

5mL EDTA whole blood (tube completely filled). 1 extracted DNA tube (minimum volume 50µL with a minimum quantity of 1µg/500ng for the prenatal) ° Ambient temperature

 4 weeks for the interpreted exome excluding confirmatory analyses to make the data available in SeqOne for the exome

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Trio whole exome sequencing assay requires an EDTA whole blood sample for each parent (mother and father)
If the sample is transported at room temperature, the sample must reach our facility within 4 days. In case of longer transport time, please send the sample in refrigerated condition.
Please inform us when an urgent or prenatal exome is expected.
Please see the specific form N34- Whole exome sequencing
Please attach the specific request form B34-INTGB Exome analysis

 K34 : Kit Exome

Exotic fruits and latex panel - specific IgE

PANFE

2mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay - Phadia-ThermoFisher Scientific

 Use the specific request form B62: allergological panel

Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-endocrine, poumon, peau

EOETE

5mL 1 x 5 mL Whole blood EDTA (1 full tube) or 1 extracted DNA tube (minimum volume 50µL with a minimum quantity of 1µg) °

 4 weeks for the interpreted panel - excluding confirmatory analysis ° Lib Twist, Seq Illumina 2x150 Novaseq 6000. Perf: #

 These tests should be prescribed during a dedicated consultation by an oncogeneticist, a genetic counsellor in conjunction with an oncogenetic team or a specialist doctor with oncogenetic skills.
According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
If the sample is transported at room temperature, the sample must reach our facility within 4 days. In case of longer transport time, please send the sample in refrigerated condition.
In case of urgent collection, please inform us when sending.
Use the B67 application form

Extended phenotype - whole blood

FENO

5mL EDTA whole blood (do not use tubes with separator gel) ° Refrigerated

 1 day ° Gel Filtration or Immunocapture method

 Enclose the specific clinical information form (R3-INTGB : Immunology-haematology (IA))
Please specify the patient's full civil status on the request form and primary tube: maiden name, married name or surname used, full first name, gender and date of birth.
Please send us the primary tube.
The erythrocyte antigen to be identified must be specified: Cellano(KEL2 or k), Cw, Lewis etc
In biallelic systems, 2 antigens are identified.
Unless otherwise indicated, 'extensive phenotype' requests will correspond to identification of the erythrocyte antigens JK1, JK2, FY1, FY2, MNS3 and MNS4.

Factor B - complement fraction - serum

C3ACT *

1mL serum (do not use 10 mL tube) ° FREEZE

 1 week ° Nephelometry

Factor H - complement fraction - serum

FACH *

2mL Serum ° FROZEN

 10 days ° Radial immunodiffusion

 1 individual aliquot for this analysis.
Collect on dry tube without gel separator

Factor I - complement fraction - serum**FACI ***

2mL Serum ° FROZEN

 4 to 6 weeks ° Radial immunodiffusion 1 individual aliquot for this analysis.

Factor I - Fibrinogen - activity - plasma**FIBRI**

2mL Citrated Plasma ° FROZEN

 1 day ° Chronometric method Enclose the specific clinical information form (R5-INTGB : Haemostasis)
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Factor I - Fibrinogen - antigen - plasma**IMFIB**

1mL Citrated Plasma ° FROZEN

 1 week ° Immuno turbidimetry Enclose the specific clinical information form (R5-INTGB : Haemostasis)
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Factor II - Prothrombin - activity - plasma**FAC2**

2mL Citrated Plasma ° FROZEN

 1 day ° Chronometric method Enclose the specific clinical information form (R5-INTGB : Haemostasis)
Single tube possible for II, V, VII, X
The factors II, V, VII, X (prothrombin complex factors) assay requires at least 2 mL of citrate plasma frozen
Attach patient's clinical details (inflammatory syndrome, pregnancy, family history) and the context of the test prescription request (haemorrhages, thrombosis, preoperative care, replacement therapy...) and any possible therapeutic prescription information.
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Factor II - Prothrombin - G20210G>A mutation - whole blood**F2M**

5mL EDTA whole blood (only) ° Ambient temperature

 5 days ° LAMP PCR According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Sample must be refrigerated if transport is > 48 hours
Enclose the specific B12-INTGB request form: Molecular Genetics

2mL Citrated Plasma ° FROZEN

 1 day ° Chronometric method

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
Single tube possible for VIII, IX, XI, XII
The factors VIII, IX, XI, XII (aPTT factors) assay requires at least 2 mL of citrated plasma frozen.
Attach the clinical data relating to the patient (major inflammatory syndrome, pregnancy, etc.) and the circumstances (bleeding, thrombosis, preoperative evaluation, etc.)
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

2mL Citrated Plasma ° FROZEN

 1 day ° Chronometric method

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
Single tube possible for VIII, IX, XI, XII
The factors VIII, IX, XI, XII (aPTT factors) assay requires at least 2 mL of citrated plasma frozen.
Attach the clinical data relating to the patient (major inflammatory syndrome, pregnancy, etc.) and the circumstances (bleeding, thrombosis, preoperative evaluation, etc.)
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

2mL Citrated Plasma ° FROZEN

 1 day ° Chronometric method

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
Single tube possible for II, V, VII, X
The factors II, V, VII, X (prothrombin complex factors) assay requires at least 2 mL of citrate plasma frozen
Attach patient's clinical details (inflammatory syndrome, pregnancy, family history) and the context of the test prescription request (haemorrhages, thrombosis, preoperative care, replacement therapy...) and any possible therapeutic prescription information.
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Factor V Leiden - p.Arg506Gln mutation - whole blood**F5L**

5mL EDTA whole blood (only) ° Ambient temperature

 5 days ° LAMP PCR

-  According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Sample must be refrigerated if transport is > 48 hours
Enclose the specific B12-INTGB request form: Molecular Genetics

Factor V - Proaccelerin - plasma**FAC5**

2mL Citrated Plasma ° FROZEN

 1 day ° Chronometric method

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
Single tube possible for II, V, VII, X
The factors II, V, VII, X (prothrombin complex factors) assay requires at least 2 mL of citrate plasma frozen
Attach the clinical data relating to the patient (major inflammatory syndrome, pregnancy, etc.) and the circumstances (bleeding, thrombosis, preoperative evaluation, etc.)
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Factor Willebrand protease activity - ADAMTS 13**ADAM**

[Indéfinie] 2 x aliquots of 1.5-2 mL of citrated plasma (not CTAD plasma), weak in platelets obtained after double centrifugation at 3500g between 15 and 25°C. Sample should be spun twice. ° FROZEN

 1 week ° Dosage immunologique en chimiluminescence

-  Enclose the specific clinical information form (R9-INTGB : ADAMTS13 testing)

Factor XII - Hageman - plasma**FAC12**

2mL Citrated Plasma ° FROZEN

 1 day ° Chronometric method

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
Single tube possible for VIII, IX, XI, XII
The factors VIII, IX, XI, XII (aPTT factors) assay requires at least 2 mL of citrated plasma frozen.
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Factor XIII - plasma**FAC13**

1mL Citrated Plasma ° FREEZE

 1 week ° Chromogenic method

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
1 individual aliquot for this analysis.
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Factor XI - Rosenthal - plasma**FAC11**

2mL Citrated Plasma ° FROZEN

 1 day ° Chronometric method

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
Single tube possible for VIII, IX, XI, XII
The factors VIII, IX, XI, XII (aPTT factors) assay requires at least 2 mL of citrated plasma frozen.
Attach the clinical data relating to the patient (major inflammatory syndrome, pregnancy, etc.) and the circumstances (bleeding, thrombosis, preoperative evaluation, etc.)
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Factor X - Stuart-Prower - plasma**FAC10**

2mL Citrated Plasma ° FROZEN

 1 day ° Chronometric method

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
Single tube possible for II, V, VII, X
The factors II, V, VII, X (prothrombin complex factors) assay requires at least 2 mL of citrate plasma frozen
Attach patient's clinical details (inflammatory syndrome, pregnancy, family history) and the context of the test prescription request (haemorrhages, thrombosis, preoperative care, replacement therapy...) and any possible therapeutic prescription information.
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Faecal test -Functional coprology - stool

FECAP

[Indéfinie] Total of 24 hour stool samples ° Refrigerated

 5 days ° Chemistry

-  Enclose the specific clinical information form (R29-INTGB : Functional Coprology)
Collection of 24-, 48- or 72-hour stool samples.
If collection over 2 or 3 days, send all samples in one shipment.
Diet enriched with butter (50g butter minimum daily) 3 days before collection and during the collection
The "fecalogram" analysis includes a microscopic examination of the stool, an assay of lipids and proteins, an ionogram and a chemical examination of the stool with screening for blood.

 T10 : Stool container 1l

Familial Mediterranean fever - MEFV gene - new generation sequencing - whole blood

FMF

5mL EDTA whole blood ° Ambient temperature

 1 month ° New generation sequencing

-  According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Enclose the specific clinical information form (R36-INTGB : Familial Mediterranean Fever gene study)
Sample must be refrigerated if transport is > 48 hours
Enclose the specific B12-INTGB request form: Molecular Genetics

Farmer's lung - confirmation - serum

FERMC

500µL Serum ° Refrigerated

 3 weeks ° Immuno-electrophoresis

Farmer's lung disease - screening - serum

FERM

1mL Serum ° Refrigerated

 4 days ° Fluorescent enzyme-immunoassay

-  If screening is positive, the confirmation test is automatically performed.

Fatty acids essential fatty acids C16 to C22:6 - plasma

GRACX *

2mL EDTA plasma or Heparin plasma ° FREEZE before sending

 3 weeks °

Fatty acids free non-esterified - serum

GRAS

1mL Serum ° FROZEN

 15 days ° Colorimetry

 Sample in a fasting state (for infants, draw sample 3-4 hours after bottle)
Freeze the sample within 1 hour after sampling
Attach the clinical data

Fatty acids with very long chains - C22 to C26 - plasma

GRALE *

2mL EDTA plasma or Heparin plasma ° FROZEN

 2 weeks ° Chromatography - Colorimetry

 Sample to be frozen within 1 hour. Home sampling is not advisable.

FDP - fibrinogen and fibrin degradation products - plasma

PDF

1mL Citrated Plasma ° FROZEN

 1 day ° Automated latex immunoassay

 1 individual aliquot for this analysis.
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Felbamate - Serum

FELB *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Ferritin glycosylated - serum

FTGLY *

2mL Serum ° Refrigerated

 2 weeks ° Enzyme-immunoassay

 Sample has to be centrifugated straight after sampling
1 individual aliquot for this analysis.
Centrifuge, decant and keep refrigerated for shipment
Assay performed if serum ferritin level is greater than 100 µg/L
Not to be performed on EDTA plasma

Ferritin - serum

FT

1mL Serum ° Refrigerated

 1 day ° Chemiluminescence

 **ATTENTION:** interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Fetal-maternal haemorrhage - whole blood

KLEI

1mL EDTA whole blood ° Refrigerated

 1 day ° Flow Cytometry

 1 individual aliquot for this analysis.
[To be translated]

Fetal RH3(E) - genotyping

GRHE *

5mL Maternal whole blood ° Ambient temperature

 15 days ° Real-time PCR

 **ALWAYS** attach the specific clinical information form (R22-INTG : fetal group determination)
Samples to be collected from Monday to Wednesday
Sample from 13 weeks of amenorrhea
ALWAYS confirm the conception date and the father RH3/RH5 phenotype
The sample **MUST** reach us within 48 hours following sample collection.
ALWAYS attach the consent form signed by the patient and the clinician, as well as the patient's history

Fetal RHc - genotyping

GRHC *

5mL Maternal whole blood ° Ambient temperature

 15 days ° Real-time PCR

 **ALWAYS** attach the specific clinical information form (R22-INTG : fetal group determination)
Samples to be collected from Monday to Wednesday
Sample from 13 weeks of amenorrhea
ALWAYS confirm the conception date and the father RH2/RH4 phenotype
The sample **MUST** reach us within 48 hours following sample collection.
ALWAYS attach the consent form signed by the patient and the clinician, as well as the patient's history

FGF23 - Fibroblast Growth Factor 23 - Plasma

FGF23 *

2mL EDTA Plasma (do not use tube with separator) ° FROZEN

 4 weeks ° Enzyme-immunoassay

 Freeze the sample within 1 hour after sampling

FibroMAX - . - serum

FIMAX

3mL Non haemolysed serum ° FROZEN

 5 days ° Biochemistry

 Fasting sample
Serum to be centrifuged after 30 minutes after sampling and decanted and frozen quickly
The patient's height and weight MUST be indicated.
Attach the specific clinical information form R42-INTGB Fibromax

FibroMeter - .

FIB3

3 mL serum: frozen
1 mL citrated plasma: frozen °

 1 week ° Chemistry, nephelometry, Enzyme-immunoassay, coagulation

 Identify clearly on the tubes if PLASMA or SERUM
Fasting sample
Enclose the specific clinical information form (R17-INTGB : Fibrometers)
Analysis not feasible for patients <18 years
Please attach the platelet levels performed for the patient.

Fibrometer VCTE (with FibroScan)

FVCTE

3 mL serum: frozen
1 mL citrated plasma: frozen °

 1 week ° Chemistry, nephelometry, Enzyme-immunoassay, coagulation

 Identify clearly on the tubes if PLASMA or SERUM
Fasting sample
Enclose the specific clinical information form (R17-INTGB : Fibrometers)
Analysis not feasible for patients <18 years
All tests must be performed in Biomnis to obtain the FibroMeter risk calculation
Please attach the platelet levels performed for the patient.

Fibronectin

FBRON

1mL EDTA or Citrated Plasma ° Refrigerated

 1 day ° Nephelometry

 Do not use other sample types

Fibrotest - Actitest - . - serum

FIACF

2mL Non haemolysed serum ° Refrigerated

 5 days ° Biochemistry

 Enclose the specific information form R40 INT GB
Fasting sample
Analysis not feasible for patients < 2 years

Filariasis - serology - serum

FIL

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Enzyme-immunoassay

FIP1L1-PDGFRα analysis (Molecular biology or FISH) - whole blood

FIPIL *

5mL EDTA whole blood ° Ambient temperature

 30 days °

Fish on interphasic nuclei

FISHN

5mL Amniotic Fluid/ Chorionic Villus/ Heparinized Whole Blood/ Cytogenetic Spreading Blade/ Cytogenetic Cell Pellet ° Ambient temperature

 2 days ° In Situ hybridisation on non cultivated nuclei

 ALWAYS attach the medical prescription, the clinical patient's history and the consent form signed by both the patient and the prescribing clinical
In the case of transmission of a prescription for FISH alone, the karyotype is systematically carried out unless the analysis is requested from a cell pellet or cytogenetic slide.

Fish on metaphases

FISHM

5mL Amniotic Fluid/ Chorionic Villus/ Heparinized Whole Blood/ Cytogenetic Spreading Blade/ Cytogenetic Cell Pellet ° Ambient temperature

 8 days after obtaining karyotype ° In Situ hybridisation on metaphases

 ALWAYS attach the medical prescription, the clinical patient's history and the consent form signed by both the patient and the prescribing clinical
In the case of transmission of a prescription for FISH alone, the karyotype is systematically carried out unless the analysis is requested from a cell pellet or cytogenetic slide.

Flecainide - serum

FLECA

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° LCMS/MS

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Residual level sample (just before administration)

FLT3 Mutation screening - whole blood

MFLT3 *

5mL EDTA whole blood ° Ambient temperature

 30 days ° PCR + sequencing

 Enclose the specific B12-INTGB request form: Molecular Genetics

Fluconazole - Serum

FLUCO *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° LCMS

 Enclose the specific information form R8 INTGB anti-fungal agents and anti-tuberculosis drugs
1 individual aliquot for this analysis.

Flucytosine - Serum

FLUCY *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific information form R8 INTGB anti-fungal agents and anti-tuberculosis drugs
1 individual aliquot for this analysis.

Flunitrazepam - serum

FLUNI *

2mL Imperative serum volume (tubes with gel separators are forbidden) ° FROZEN

 10 days ° HPLC - High Performance Liquid Chromatography / DAD

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Fluorine - Serum

FLUO *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° Ionometry

 1 individual aliquot for this analysis.
No sampling on glass tubes

Fluorine - urine

FLUOU *

10mL urine ° Refrigerated

 3 weeks ° Ionometry

 Collect the sample on a plastic container
Indicate on the request form whether it is for Occupational Medicine
Sample at end of work shift

 T9 : Urine flasks 70 ml

Fluoropyrimidines toxicity risk evaluation Genotyping of dihydropyrimidine dehydrogenase and phenotyping of DPD by uracil

5FUTO

1 tube of whole blood on lithium heparinate (avoid tubes with separator gel): Refrigerated
2 tubes of lithium heparinate plasma: frozen
or
1 tube of whole blood EDTA (avoid tubes with gel with separator): Refrigerated
2 tubes of lithium heparinate plasma: frozen °

 8 days ° LAMP PCR et LCMSMS

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
The blood must be drawn before any chemotherapy or at least 1 week after the last course of treatment.
Centrifuge the sample and decant quickly
Freeze the sample within one hour

Fluoxetine - serum

FLUOX

2mL Serum (do not use tubes with separator gel) ° FROZEN

 9 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration
The following examinations can be performed on the same sample: Citalopram; Duloxetine; Fluoxetine; Fluvoxamine; Mirtazapine; Paroxetine; Sertraline; Venlafaxine.

Flupentixol - Serum

FLUPE *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Fluphenazine - Serum

FLUP *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Fluvoxamine - serum

FLUVO

2mL Serum (do not use tubes with separator gel) ° FROZEN

 9 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
The following examinations can be performed on the same sample: Citalopram; Duloxetine; Fluoxetine; Fluvoxamine; Mirtazapine; Paroxetine; Sertraline; Venlafaxine.

Folic acid - serum

FOL

1mL Non haemolysed serum ° FREEZE before sending

 1 day ° Chemiluminescence

 Fasting sample

Formic acid - urine

FORM *

10mL urine sample ° Refrigerated

 3 weeks ° Gas Phase Chromatography / FID detection

 Collect the sample on a plastic container
Sample at end of work shift

 T9 : Urine flasks 70 ml

Fosamprenavir - Serum

FOSAM *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 3 weeks ° LCMS

 Enclose the specific clinical information form (R6-INTGB :
Anti retroviral treatment)

Fosfomycin - Serum

FOSFO *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° Microbiological method

 Enclose the specific clinical information form (R18-INTGB :
Infectious agents)
Always draw blood at the same time before another
administration
Always specify the clinical context : efficiency or toxicity

Fragile X - syndrome

XFRAP

Fresh or cultured amniotic fluid, fresh or cultured trophoblast ° Ambient temperature

 9 days PCR - 15 days for confirmation by Amplidex PCR ° PCR
- PCR Amplidex (confirmation)

 5 ml of whole blood on EDTA from each parent (quotation
on request) is required to perform this test
Enclose the specific B12-INTGB request form: Molecular
Genetics
ALWAYS attach the medical prescription, the clinical
patient's history and the consent form signed by both the
patient and the prescribing clinical

Fragile X - syndrome - whole blood

XFRA

5mL EDTA whole blood ° Ambient temperature

-  9 days PCR - 15 days for confirmation by Amplidex PCR ° PCR
- PCR Amplidex (confirmation)

-  According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Sample must be refrigerated if transport is > 48 hours
Enclose the specific B12-INTGB request form: Molecular Genetics
Attach the clinical data

Fragment 1+2 - prothrombin - plasma

PT12

1mL Citrated Plasma ° FROZEN

-  1 month ° Enzyme-immunoassay

-  1 individual aliquot for this analysis.
Reject any samples where sample collection was difficult and where onset of coagulation could have occurred
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Free catécholamines

CATF

2mL lithium heparin plasma (do not use tubes with separator gel) ° FROZEN

-  6 days ° LCMS/MS

-  Fasting sample
Sample to be frozen within 1 hour. Home sampling is not advisable.
2 specific aliquots for this analysis
blood draw preferentially after a 30-min resting period

Free catécholamines - children - urine

CATEN

2tube(s) Random urine ° FROZEN

-  4 days ° LCMS/MS

-  Code reserved for children < 18 years of age (see specific code for adults).
1 individual aliquot for this analysis.
Freeze quickly after the end of the collection.
No need of specific diet anymore.
Do not transmit pot

 Tube for urine sample (4mL)-T28

Free cortisol - Compound F - urine

FLU

1tube(s) Non acidified 24hrs urine collection ° Refrigerated

-  3 days ° Radioimmunoassay

-  Specify diuresis
 Tube for urine sample (4mL)-T28

Free protein S - antigen - plasma**PSLI**

1mL Citrated Plasma ° FROZEN

 2 days ° Immuno turbidimetry

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
Attach the clinical data relating to the patient (major inflammatory syndrome, pregnancy, etc.) and the circumstances (bleeding, thrombosis, preoperative evaluation, possible anticoagulant treatment.)
[To be translated]
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Free T3 - Free triiodothyronine - serum**FT3**

1mL Serum ° Refrigerated

 2 days ° Electrochemiluminescence

-  ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Free T4 - Free thyroxine - serum**FT4**

1mL Serum ° Refrigerated

 1 day ° Electrochemiluminescence

-  ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Friedreich ataxia - whole blood**FRIED ***

5mL EDTA whole blood ° Ambient temperature

 4 weeks ° NOVATEC

-  Enclose the specific B12-INTGB request form: Molecular Genetics

Fructosamine - serum**FRUC**

1mL Non haemolysed serum ° Refrigerated

 1 day ° Chemistry - Spectrophotometry

Fructose - seminal plasma

FRUSP

1mL Seminal plasma on fluoridated tube ° FROZEN

 15 days ° Chemistry - Spectrophotometry

 Sample to be collected after 2 to 5 days of abstinence. Always indicate the ejaculate volume, the pH, sperms count and abstinence period. Centrifuge and freeze the supernatant immediately.

FSH - Follicle-stimulating hormone - serum

FSH

1mL Serum ° Refrigerated

 1 day ° Electrochemiluminescence

 Attach age and period of cycle
Attach the clinical data
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

FSH - Follicle-stimulating hormone - urines

FSHU *

1tube(s) Non acidified 24hrs urine collection ° Refrigerated

 15 days ° Chemiluminescence

 This test automatically includes the urine FSH level for children
Specify diuresis

 Tube for urine sample (4mL)-T28

Full Neonatal screen - . - blotting paper

DNEX *

Guthrie card only ° Ambient temperature

 1 week ° Enzyme-immunoassay

Fungus - Yeasts - identification

MYCID *

Freshly replated colony ° Ambient temperature

 2-3 weeks, until 5 weeks if presence of mold, or slow growing fungus ° Culture and direct microscopic examination

 Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology

 S10: Diagnobox (three layers of sealed packaging)

Fungus - Yeasts - MIC: Minimum Inhibitory Concentration

CMIMY *

Strain ° Ambient temperature



Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology



S10: Diagnobox (three layers of sealed packaging)

Fungus - Yeasts - screening

MYCEX *

[To be translated] ° Refrigerated



1 week, until 1 month if presence of mold, or slow growing fungus °



Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology



S14: Special mycobacteria transport bags are to be used

Furosemide - serum

FUROS *

2mL Serum ° Refrigerated



2 weeks ° HPLC - High Performance Liquid Chromatography / UV detection



Specify:
- the reasons for the prescription (efficiency and/or toxicity test),
- the sampling time
- the treatment start date and/or the date of any change of dosage
- the dosage data (quantity administered, frequency, administration route),
- the subject's age, height and weight if possible.

Furosemide - urine

FUROU *

1tube(s) urine ° Refrigerated



2 weeks ° HPLC - High Performance Liquid Chromatography / UV detection



Specify:
- the reasons for the prescription (efficiency and/or toxicity test),
- the sampling time
- the treatment start date and/or the date of any change of dosage
- the dosage data (quantity administered, frequency, administration route),
- the subject's age, height and weight if possible.



Tube for urine sample (4mL)-T28

G6PD - Glucose-6- phosphate dehydrogenase

G6PD

2mL Whole blood EDTA exclusively ° Refrigerated



2 days ° Enzymatic method



The dosage must imperatively be carried out at a distance from a blood transfusion (> 3 months).
Specify the FBC results: red blood cells and haemoglobin

Gabapentin - serum**GAB**

1mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° LCMS/MS

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration
The following examinations can be performed on the same sample: Levetiracetam; Gabapentine; Lamotrigine; Oxacarbazepine/10-OH-Carbazepine; Topiramate.

Galactose-1-Phosphate Uridyl transferase - blotting paper**GALBX ***

Guthrie card only ° Ambient temperature

 2 weeks ° Enzyme-immunoassay

Galactose-1-Phosphate Uridyl transferase - whole blood**GALT ***

1mL EDTA whole blood ° Ambient temperature

 3 weeks °

Galactose - whole blood**GALSG ***

1mL EDTA whole blood ° Ambient temperature

 3 weeks °

Galctokinase - whole blood**GALK1 ***

1mL EDTA whole blood ° Ambient temperature

 3 weeks °

Ganciclovir - plasma

GANCI *

2mL Heparin Plasma ° FROZEN

 3 to 4 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.
Specify in case of kidney failure

Gastrin - serum

GAST

1mL Non haemolysed serum ° FROZEN

 5 days ° Radioimmunoassay

 After fasting period of minimum 10 to 12 hours
1 individual aliquot for this analysis.

Gastrointestinal Panel - direct diagnosis - PCR - Stools

GIP

Stools ° Refrigerated

 2 days ° Real-time PCR

 S14: Special mycobacteria transport bags are to be used

Gene rearrangements, deletion, amplification - solid tumors - FISH

MOHC4

[Indéfinie] Paraffin-embedded tumor block or white slides (3 minimum) ° Ambient temperature

 10 days ° Molecular cytogenetics or FISH

 Use the specific request form B9-INTGB: Oncology-Solid tumors
Attach the anatomopathological report
The use of the S25 or S9L transport bag is Mandatory.

 #VALEURMULTI

Genital ulcérations panel - direct diagnosis - PCR

PUG

Mucocutaneous swab ° Refrigerated

 3 days ° Real-time PCR

 The use of the S14UK transport bag is Mandatory.
Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Genome Wide (Autosomes and autosomes chromosomal rearrangements > 7Mb)

GENW

10mL Whole blood Streck (complete filling of the tube is required) ° Ambient temperature



5 business days (Monday to Friday upon receipt at Eurofins Biomnis) ° New generation sequencing



Enclose the specific B39-INTGB request form : DPNI
Sample must be forwarded to Eurofins Biomnis within 5 days maximum
Straight away after blood draw, mix blood by gentle inversion (10 times minimum)
ALWAYS attach the specific information form, the 1st trimester ultrasound report, the consent form dated and signed by the clinician and the patient.

Genome Wide complet (Autosomes and autosomes chromosomal rearrangements > 7 Mb + fetal gender and sex chromosomes aneuploidies)

GENWC

10mL Whole blood Streck (complete filling of the tube is required) ° Ambient temperature



5 business days (Monday to Friday upon receipt at Eurofins Biomnis) ° New generation sequencing



Enclose the specific B39-INTGB request form : DPNI
Sample must be forwarded to Eurofins Biomnis within 5 days maximum
Straight away after blood draw, mix blood by gentle inversion (10 times minimum)
ALWAYS attach the specific information form, the 1st trimester ultrasound report, the consent form dated and signed by the clinician and the patient.

Génotypage plaquettaire foetal non invasif - Maternal blood

GPFOE

*

20mL Maternal blood °



Gentamicine - serum

GENT

1mL Serum ° FREEZE before sending



1 day ° Kinetic interaction of microparticles in solution (KIMS)



1 specific aliquot for this analysis
Enclose the specific clinical information form (R18-INTGB : Infectious agents)
Residual level = before injection; Peak = 30 min after end of infusion or 1 hr after IM injection

GHB - Gamma-hydroxybutyric acid - plasma

GHBS

*

2mL EDTA Plasma ° FROZEN



18 days ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)



Freeze the sample within 4 hours after sampling
EDTA plasma removed imperatively within 6 hours after the facts
[To be translated]

GHB - Gamma-hydroxybutyric acid - urines

GHB^U *

5mL Urines ° FROZEN

 15 days ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.
[To be translated]
urine samples taken imperatively within 12 hours after the facts

GH - Growth hormone - serum

GH

1mL Serum ° FROZEN

 2 days ° Electrochemiluminescence

 Fasting sample
Specify if patient is under Somavert (Pegvisomant) treatment

Ghrelin - acylated and non acylated - plasma

GHREL^U *

EDTA Plasma ° FROZEN

 45 days °

 Centrifuge, Decant, Freeze the serum sample within 1 hour
Collect two samples:
- 500 µL of plasma for acylated Ghrelin level
- 200 µL (IMPERATIVE) of plasma for non acylated Ghrelin level. If the volume is different, please specify it on the sample tube and the request form

GHRH - Growth-Hormone-Releasing-Hormone - plasma

GHRH^U *

1mL EDTA Plasma + Aprotinine ° FROZEN

 1 month ° Radioimmunoassay

 Enclose the specific clinical information form (R48-INTGB : GHRH)
Sample on special tube (EDTA + Aprotinin) supplied on request.
Special tube (EDTA + Aprotinin) supplied upon request.
Centrifuge at +4°C and FREEZE the plasma immediately.
 T2 : EDTA + aprotinine tube

Gilbert Syndrome - Screening for UGT1A1*28 (rs8175347) polymorphism

GILB

5mL Lithium heparin whole blood (do not use gel separator tubes) ° Refrigerated

 1 week ° Real-time PCR

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Enclose the specific B12-INTGB request form: Molecular Genetics

Glibenclamide - serum

GLIBE *

2mL Serum ° Refrigerated

 Variable TAT ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R18-INTGB : Infectious agents)

Glucagon - plasma

GLUC

1mL EDTA plasma + Aprotinine - non haemolysed ° FROZEN

 2 weeks (if dilution/control needed - TAT 4 weeks ° Radioimmunoassay

 Sample on special tube (EDTA + Aprotinin) supplied on request.
Special tube (EDTA + Aprotinin) supplied upon request.
Centrifuge at +4°C and FREEZE the plasma immediately.

 T2 : EDTA + aprotinine tube

Glucose 6-phosphatase (GSD Ia)

G6PC *

liver (3mg) : Frozen
2 mL EDTA blood : Ambient °

 3 weeks °

Glucose 6-phosphate translocase (GSD Ib/c)

G6SD *

liver (3mg) : Frozen
2 mL EDTA blood : Ambient °

 3 weeks °

Glucose - biological fluid

GLYD

1mL Biological fluid ° FROZEN

 2 days ° Chemistry - Spectrophotometry

Glutathione peroxidase - plasma

GLUPS *

1mL Lithium heparin plasma ° FROZEN

 3 weeks ° Chemistry - Spectrophotometry

 Refrigerated centrifugation
Sample to be frozen within 1 hour. Home sampling is not advisable.

Glycerol - serum

GLYOL *

2mL Serum ° FROZEN

 2 weeks ° Photometry

Glycine - plasma

GLYCI

1mL Heparin Plasma ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R1-INTGB : Amino Acids - Organic Acids)
Sample in a fasting state (for infants, draw sample 3-4 hours after bottle)
Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.

Glycogen

GLYCG *

Tissue (3mg): Frozen
2 mL EDTA blood : Ambient °

 3 weeks °

Glycogen - synthase (GSD 0)

GYS12 *

Tissue (3mg): Frozen
2 mL EDTA blood : Ambient °

 3 weeks °

Glycosaminoglycanes - GAG - urine GAG/Creatinine ratio - urine

GAGRX *

50mL 24hr Urine collection ° FROZEN

 2 weeks ° Alcian Blue - Complexometry

Gnathostomiasis - serology - serum

GNATH *

1mL Serum ° Refrigerated

 1 month ° Western-Blot

Golimumab - serum

GOLIM *

1mL Serum ° FREEZE before sending

 3 weeks ° Enzyme-immunoassay

 [To be translated]
Always draw blood at the same time before another administration

Guanidinoacetate and creatine - plasma

GUANI *

3mL Heparin Plasma ° FREEZE

 1 month °

 Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.

Guanidinoacetate and creatine - urine

GUANU *

10mL Urine - random urine or 24 hour urine ° FROZEN

 1 month °

 T9 : Urine flasks 70 ml

Guanidinoacetate and creatine - urines

GANUX *

10mL Urines ° FREEZE before sending

 3 weeks °

Glycolic acid - urines

GLYCU. *

10mL 24hr or random urine sample (child) ° FROZEN

 3 weeks °

 Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)

 T9 : Urine flasks 70 ml

5 mL Heparinised whole blood, 2 mL Bone marrow, lymph nodes ° Ambient temperature

 2 weeks if isolated FISH request, otherwise according to indication (AL: 1 week, MPD and MDS: 2 weeks, NHL and

 Bone marrow: 1 heparinised syringe or medullary puncture transferred into a lithium heparinate tube ,Lymph node: sterile bottle
Cytogenetic study in the context of Myeloma: must be performed on bone marrow (not on peripheral blood).
Exception: Plasma cell leukaemia: peripheral blood or bone marrow.
ALWAYS attach:
-The clinical and therapeutic details, full blood count results, platelets levels
The bone marrow report
Immunophenotyping report
The result of the Karyotype performed at the diagnostic step if not performed in Biomnis

 S9L: Envelopes yellow for karyotypes LYON

Haemochromatosis - HFE gene - p.Cys282Tyr mutation - whole blood

HMC

5mL EDTA whole blood (only) ° Ambient temperature

 4 days ° LAMP PCR

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Sample must be refrigerated if transport is > 48 hours
Enclose the specific B12-INTGB request form: Molecular Genetics

Haemochromatosis - HFE gene - p.His63Asp mutation - whole blood

H63D

5mL EDTA whole blood (only) ° Ambient temperature

 4 days ° LAMP PCR

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Sample must be refrigerated if transport is > 48 hours
Enclose the specific B12-INTGB request form: Molecular Genetics

Haemochromatosis - HFE gene - p.Ser65Cys mutation

S65C

5mL Total blood only ° Ambient temperature

 9 days ° Real-time PCR

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Sample must be refrigerated if transport is > 48 hours
Enclose the specific B12-INTGB request form: Molecular Genetics

Haemoglobin - electrophoresis - whole blood**EPHB**

4mL EDTA whole blood (only) ° Refrigerated

 2 days ° Electrophoresis

-  Attach the FBC results
Specify ethnic origin
The sample has to be collected just before to be sent to our facility in order to minimize the transport time and the impact on the sample stability.
The sample is stable for 7 days from its extraction
In the event of an Hb abnormality identified with capillary electrophoresis, an EPHBI is triggered supplemented by a HPLC technique and acid gel electrophoresis.

Haemoglobin glycosylated - HbA1c - whole blood**HBA1C**

2mL EDTA whole blood ° Refrigerated

 4 days ° Electrophoresis

Haemoglobin - screening - stool**SGP**

20g Stool sample ° Refrigerated

 5 days ° Enzyme-immunoassay

-  Enclose the specific clinical information form (R29-INTGB : Functional Coprology)

Haemolysis protein profile - serum**PPHEM**

2mL Serum ° FROZEN

 2 days ° Immuno turbidimetry

-  This analysis includes: Orosomucoid and haptoglobin

Haemopexin - serum**HEMOP ***

1mL Serum ° Refrigerated

 1 week ° Nephelometry

Haemophilus ducreyi - direct diagnosis - PCR

HAEBM

Cervical, urethral, vaginal, anal swabbing, sperm, pharyngeal samples ° Refrigerated

 3 days ° Real-time PCR

 The use of the S14UK transport bag is Mandatory. other biological samples must not be diluted, to be sent in a plain tube
Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Haemophilus ducreyi - screening

BADUC *

Smear or swab ° Refrigerated

 2 days ° Staining and microscopic analysis

 The use of the S14UK transport bag is Mandatory. Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology

 S14: Special mycobacteria transport bags are to be used

Haemophilus influenzae B - IgG serology - serum

HEIN

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Enzyme-immunoassay

 This test is reserved for post-vaccination testing

Haloperidol

HALO

2mL lithium heparin plasma (do not use tubes with separator gel) ° Refrigerated

 1 week ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration
The following examinations can be performed on the same sample: Aripiprazole; Clozapine; Haloperidol; olanzapine; Quétiapine; Rispéridone.

Hantavirus - IgG/IgM serology - serum

HANTA

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Immunofluorescence

Haptoglobin - serum**HAP**

1mL Serum ° Refrigerated

 2 days ° Immuno turbidimetry ALWAYS specify the patient's age and gender

hcG dimeric molecule (alpha + beta) - biological fluid**HCGD**

1mL Biological fluid ° FREEZE before sending

 1 day ° Radioimmunoassay Attach the clinical data

hcG dimeric molecule (alpha + beta) - serum**HCGT**

1mL Serum ° FROZEN

 3 days ° Radioimmunoassay Attach the clinical data

hCG - free beta chain - subunit - serum**BHCG**

1mL Serum ° FROZEN

 3 days ° Radioimmunoassay Do not use heparinised plasma

hCG - free beta chain - subunit - various specimen**BHCGD**

[Indéfinie] Various types of specimen ° FROZEN

 2 days ° Radioimmunoassay

HDL cholesterol - serum**HDL**

1mL Serum ° Refrigerated

 1 day ° Chemistry - Spectrophotometry ALWAYS sample in the fasting state

1mL Serum ° FROZEN

 1 day ° Electrochemiluminescence

-  For the ROMA algorithm, HE4 and CA125 are assayed with the same technology, which does not authorise integration of results sent for CA125.
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Helicobacter pylori - 13C urea breath test - expired gas

HKIT

4tube(s) Expired gas ° Ambient temperature

 4 days ° Isotopic method

-  - Resting patient, fasting for a minimum of 6 hours (no drink, no food, no smoke)
- No antibiotic treatment for 4 weeks minimum before testing
- No Proton-pump inhibitor treatment for 2 weeks minimum before testing
- No antacids and gastro-intestinal protectants 24 hours before the test
- Have the patient blow gently into 15 seconds (until mist appear), then quickly replace properly the cap on the tube
Perform the T30, 30 minutes after the T0 with a tolerance of 5 minutes more or less.

Helicobacter pylori and clarithromycin resistance gene - direct diagnosis - PCR

HPGEN

Antral and / or fundal biopsy, fresh and pure bacterial strain. ° Refrigerated

 1 week ° Real-time PCR

-  For BIOPSIES :
The use of the S14UK transport bag is Mandatory.
Biopsies have to be placed in the specific T8 transport gel medium (available on request), during sample collection
Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology
store out of light
If refrigerated, the sample must be processed at our laboratory within 72h from its collection.
This test is performed twice a week only (Mondays and Fridays). Please bear this in mind before you ship your request/sample.
Please ensure that the sample's freezing and thawing dates and times are stated on the request form
If sample older than 72h, please freeze.
For STRAINS :
IMPERATIVELY use a Diagnobox (reference S10: triple sealed packaging).
Fresh and pure bacterial strain must be sent on a suitable culture medium under a microaerophilic atmosphere and at room temperature in a Diagnobox.
-  T8 : Helicobacter pilory (culture & transport media)

Helicobacter pylori - antigen - Stools

HELS

Stools ° Refrigerated

 3 days ° Immuno chromatography

-  The use of the S14UK transport bag is Mandatory. Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology
If refrigerated, the sample must be processed at our laboratory within 72h from its collection. If sample older than 72h, please freeze.
This test is performed twice a week only (Mondays and Fridays). Please bear this in mind before you ship your request/sample.
Use purple bag (our ref. S14) for transport.
Please ensure that the sample's freezing and thawing dates and times are stated on the request form.
Failing to comply with any or all of the above may result in a non-conformity and our inability to perform the test.

 S14: Special mycobacteria transport bags are to be used

Helicobacter pylori - culture

HELUCU

Antral and/or fundal biopsies ° Refrigerated

 18 days ° Culture

-  IMC will be automatically performed and charged in case of positive culture
The use of the S14UK transport bag is Mandatory. Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology
Sample on special agar transport medium T8 (supplied upon request) - store out of light
If refrigerated, the sample must be processed at our laboratory within 72h from its collection.
[To be translated]
If sample older than 72h, please freeze.

 T8 : Helicobacter pilory (culture & transport media)

Helicobacter pylori - IgG serology - serum

HELI

1mL Serum ° Refrigerated

 3 days ° Chemiluminescence

-  The test cannot be processed on the sample store for more than 7 days at 2°C-8°C (refrigerated)

Helminthes - Protozoaires - direct diagnosis - PCR - stool

PPARA

Stool specimen ° Refrigerated

 10 days ° PCR

-  The use of the S14UK transport bag is Mandatory. Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology
Biopsies should be placed in a sterile tube with a drop of sterile physiological water.
All histological fixatives are forbidden.

 S14: Special mycobacteria transport bags are to be used

Heparin induced thrombocytopenia - functional test

AGREG

*

4 aliquots from 1.5 to 2 mL of citrated plasma (non ACD), with low platelets level obtained after centrifugation at 3500g with a temperature with a temperature lying between 15 to 25°C of failing this after a double centrifugation. ° FROZEN

 10 days ° HIPA (functional platelet aggregation test)

 Attach completed information form (ref: R19)
Sample to be collected before Orgaran treatment and 6 hours after antiplatelets intake (other than GPIIa-IIIa)
If anti Pf4 antibodies were performed, please confirm the result and the method used

Hepatitis A - IgG immunity screening - serum

HAVAC

1mL Serum ° Refrigerated

 2 days ° EIA

 Storage temperature (2-8°C) < 7 days during transport of specimen.

Hepatitis A - IgM antibody - serum

HAVM

1mL Serum ° Refrigerated

 2 days ° EIA

 Storage temperature (2-8°C) < 7 days during transport of specimen.

Hepatitis B - anti-HBc antibodies - IgM - serum

HBCM

1mL Serum ° Refrigerated

 2 days ° EIA

Hepatitis B - anti-HBe antibodies - serum

HBEAC

1mL Serum ° Refrigerated

 2 days ° EIA

 Storage temperature (2-8°C) < 7 days during transport of specimen.

Hepatitis B - anti-HBs antibodies - titration - serum

HBSAC

1mL Serum ° Refrigerated

 2 days ° EIA

 Storage temperature (2-8°C) < 7 days during transport of specimen.

Hepatitis B Genotyping and Antiviral Resistance Profile - serum

RHB *

4mL Serum ° FROZEN

 3 weeks ° Sequencing

 The minimum viral load is 1000 copies/mL (180 IU)
The test will only be performed if the viral load has recently been performed. Please ensure you enclose the result of the recent viral load test.

Hepatitis B - HBe antigen - serum

HBEAG

1mL Serum ° Refrigerated

 2 days ° EIA

 Storage temperature (2-8°C) < 7 days during transport of specimen.

Hepatitis B - HBs antigen - quantitative - serum

HBSGQ

1mL Serum ° Refrigerated

 2 days ° EIA

 Storage temperature (2-8°C) < 7 days during transport of specimen.

Hepatitis B - Qualitative HBs antigen - serum

HBSAG

1mL Serum ° Refrigerated

 2 days ° EIA

 Storage temperature (2-8°C) < 7 days during transport of specimen.
With neutralisation test if positive

Hepatitis B - total anti-HBc antibodies - serum

HBCAC

1mL Serum ° Refrigerated

 2 days ° EIA

 Storage temperature (2-8°C) < 7 days during transport of specimen.

Hepatitis B - viral load - PCR

ADNBQ

2.5mL Serum or Heparin plasma ° FROZEN

 3 days ° Real Time TMA

 1 individual aliquot for this analysis.

Hepatitis C - Anti-viral resistance profile - serum

RHC *

4mL Serum ° FREEZE before sending

 3 weeks ° Sequencing

 The minimum viral load is 1000 copies/mL (180 IU)
The test will only be performed if the viral load has recently been performed. Please ensure you enclose the result of the recent viral load test.

Hepatitis C - confirmation - serum

RIBHN

1mL Serum ° Refrigerated

 10 days ° Immunoblot

Hepatitis C - genotyping

GENC

1.5mL Serum or Heparin plasma ° FROZEN

 4 days ° Real-time PCR

 The test will only be performed if the viral load has recently been performed. Please ensure you enclose the result of the recent viral load test.
1 individual aliquot for this analysis.
The minimum viral load to proceed with testing is 500 IU/mL

Hepatitis C - screening serology - serum

HCVAC

1mL Serum ° Refrigerated

 2 days ° Chemiluminescence

Hepatitis C - viral load - quantitative PCR

ARNCQ

2.5mL Serum or Heparin plasma ° FROZEN

 3 days ° Real Time TMA

 1 individual aliquot for this analysis.

Hepatitis C - viral RNA detection - PCR - serum

HCVBM

1.5mL Serum ° FROZEN

 3 days ° Real Time TMA

 1 individual aliquot for this analysis.

Hepatitis Delta - antigen - serum**DELAG**

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Enzyme-immunoassay

Hepatitis Delta - IgM antibody - serum**DELAM**

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Enzyme-immunoassay

Hepatitis Delta - total antibodies - serum**DELAC**

1mL serum (do not use 10 mL tube) ° Refrigerated

 3 days ° Enzyme-immunoassay

Hepatitis Delta - viral load - PCR**DELBM**

2mL Serum or EDTA Plasma ° Refrigerated

 1 week ° Real-time PCR The use of the S14UK transport bag is Mandatory. S14: Special mycobacteria transport bags are to be used

Hepatitis E - direct diagnosis - PCR**HEVBM**

2 ml serum or EDTA plasma FROZEN within 4 hours, stool sample at + 4°C °

 3 days ° PCR The use of the S14UK transport bag is Mandatory. S14: Special mycobacteria transport bags are to be used

Hepatitis E - IgG antibody - serum**HEVG**

1mL serum (do not use 10 mL tube) ° Refrigerated

 5 days ° Enzyme-immunoassay

Hepatitis E - IgM antibody - serum

HEVM

1mL serum (do not use 10 mL tube) ° Refrigerated

 3 days ° Enzyme-immunoassay

 IgM screening is performed in priority in order to diagnose acute HEV infection.

HER2 - Human Epidermal growth factor Receptor 2 - c-erbB-2 protein - serum

ERBB2

*

1mL Serum ° FROZEN

 2 weeks ° Enzyme-immunoassay

 Sample to be frozen within 1 hour. Home sampling is not advisable.
Use the specific request form B9-INTGB: Oncology-Solid tumors

HER2 - Human Epidermal growth factor Receptor 2 - status - invasive breast tumors - FISH

MOHC5

[Indéfinie] Paraffin-embedded tumor block or white slides (3 minimum) °

 10 days ° Molecular cytogenetics or FISH

 Use the specific request form B9-INTGB: Oncology-Solid tumors
Attach the anatomopathological report
The use of the S25 or S9L transport bag is Mandatory.

 #VAEURMULTI

hereditary spherocytosis - screening (eosin-5'-maleimide (EMA) staining) - whole blood

EMA

*

5mL EDTA whole blood ° Refrigerated

 15 days ° Flow Cytometry

 ALWAYS attach the specific clinical information form (R39-INTGB :EMA)
The test must be performed within 72 hours after blood draw

Herpes simplex virus 1/2 - HSV - direct diagnosis - PCR

HERBM

[Indéfinie] mucocutaneous, Genital, ophtalmic, nasopharynx, bronchial secretions, BAL, digestive biopsy, sperm, urines, gastric fluid, 0.5 mL CSF (minimum) : refrigerated
0.5 mL (minimum) refrigerated EDTA whole blood accepted only for babies. °

 3 days ° Real-time PCR

 Biopsies should be placed as they are, in a dry tube .
The use of the S14UK transport bag is Mandatory.
other biological samples must not be diluted, to be sent in a plain tube

Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Herpes simplex virus 1/2 - HSV - direct diagnosis - PCR - amniotic fluid**HSVLA**

10mL Amniotic fluid ° Refrigerated

 1 week ° Real-time PCR

-  Must include the request form (B3) and the patient's informed consent (D44)
The use of the S14UK transport bag is Mandatory.
Subsequently, please send us the pregnancy monitoring form (R10: monitoring-pregnancy-Infectious agents)

 #VAEURMULTI

Herpes simplex virus 1/2 - HSV - IgM serology - serum**HERPM**

1mL Serum ° Refrigerated

 3 days ° Chemiluminescence

-  Storage temperature (2-8°C) < 7 days during transport of specimen.

Herpes Simplex Virus-HSV1 IgG & HSV2 IgG - IgG serology - serum**HERPG**

1mL Serum ° Refrigerated

 3 days ° Chemiluminescence

-  Storage temperature (2-8°C) < 7 days during transport of specimen.

Herpes virus type 6 - direct diagnosis - PCR**HV6BM**

[Indéfinie] Nasopharynx, bronchial secretions, BAL, gastrointestinal, liver, bone marrow biopsy ° Refrigerated

 3 days ° Real-time PCR

-  The use of the S14UK transport bag is Mandatory.
All histological fixatives are forbidden.
However, other biological samples must not be diluted
Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Herpes virus type 6 - IgG serology - serum**HHV6G**

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Indirect immunofluorescence

Herpes virus type 6 - IgM serology - serum

HHV6M

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Indirect immunofluorescence

Herpes virus type 6 - Viral load - PCR

HV6Q

[Indéfinie] 2 mL (minimum) EDTA whole blood, 0.5 mL CSF (minimum) ° Refrigerated

 1 week ° Real-time PCR

 The use of the S14UK transport bag is Mandatory.

Herpes Virus type 7 - direct diagnosis - PCR

HV7BM

1 mL (minimum) blood and blood derivatives
500 µL CSF
Bone marrow ° Refrigerated

 3 days ° Real-time PCR

 The use of the S14UK transport bag is Mandatory.

 S14: Special mycobacteria transport bags are to be used

Herpes virus type 8 - direct diagnosis - PCR

HV8BM

[Indéfinie] Biopsy (of a tumor, skin or organ lesion), puncture fluid (peritoneal, pericardial, pleural fluid, bone marrow (EDTA) ° Refrigerated

 3 days ° Real-time PCR

 Biopsies should be placed as they are, in a dry tube .
The use of the S14UK transport bag is Mandatory.
All histological fixatives are forbidden.
However, other biological samples must not be diluted
Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Herpes virus type 8 - IgG serology - serum

HHV8

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Indirect immunofluorescence

Herpes virus type 8 - viral load

HV8Q

[Indéfinie] 2 mL (minimum) EDTA whole blood, 0.5 mL CSF (minimum); marrow EDTA ° Refrigerated

 1 week ° Real-time PCR

 The use of the S14UK transport bag is Mandatory.

High molecular weight kininogen - activity - plasma

KIN

1mL Citrated Plasma ° FROZEN

 1 month ° Chronometric method

 1 individual aliquot for this analysis.
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Hippuric acid - urine

AH *

15mL Random urine ° Refrigerated

 1 month ° HPLC - High Performance Liquid Chromatography

 Collect the sample on a plastic container
Sample at end of work shift

 T9 : Urine flasks 70 ml

Histamine

HISTP

1mL Non hemolyzed EDTA plasma ° FREEZE

 1 week ° Enzyme-immunoassay

 No sampling on glass tubes
Shake the tube gently by turning over. Whole blood can be stored for 2 hrs at ambient temperature or 12 hrs at +4°C. During this time, centrifuge for 10 minutes at 900g. Aspirate the plasma slowly, to at least 1 cm from the sediment. After an anaphylactic shock, sample 30 to 60 min after the onset of clinical signs (SFAR recommendations)

 K2: Sampling kit - use only in case of anaphylactic shock

Histology

PATHO *

Biopsy (simple and multilevel), surgical specimen (simple and complex), curettage resection, joint puncture fluid ° Ambient temperature

  [To be translated]

HIV1/2 - Human Immunodeficiency Virus - confirmatory serology by immuno-transfer technique - serum**WB12**

1mL Serum ° Refrigerated

 2 days ° Immunoblot Storage temperature (2-8°C) < 7 days during transport of specimen.

HIV1/2 - Human Immunodeficiency Virus - screening serology - serum**HIV**

1mL Serum ° Refrigerated

 2 days ° Chemiluminescence Storage temperature (2-8°C) < 7 days during transport of specimen.

HIV1 - Human Immunodeficiency Virus - viral load - Plasma**HIVQ**

2.5mL EDTA Plasma (do not use tube with separator) ° FROZEN

 3 days ° Real Time TMA Use standard EDTA tubes with centrifugation then transfer the plasma into a new tube
1 individual aliquot for this analysis.

HIV2 - Human Immunodeficiency Virus - viral load - Plasma**HIVQ2 ***

2mL EDTA Plasma (do not use tube with separator) ° FROZEN

 15 days ° 1 individual aliquot for this analysis.

HIV - Human Immunodeficiency Virus - genotype for antiretroviral resistance (integrase inhibitor) - plasma**RVIH3 ***

2mL EDTA Plasma ° Frozen

 14 days (21 days if additional technique is required) ° Sequencing The minimum viral load is 50 copies/mL (85 IU)
The test will only be performed if the viral load has recently been performed. Please ensure you enclose the result of the recent viral load test.
Please specify anti-viral treatments.

HIV - Human Immunodeficiency Virus - Genotyping (fusion inhibitor): anti viral resistance profile. - plasma**RVIH2 ***

2mL EDTA Plasma ° FROZEN

 14 days (21 days if additional technique is required) ° Sequencing The minimum viral load is 50 copies/mL (85 IU)
The test will only be performed if the viral load has recently been performed. Please ensure you enclose the result of the recent viral load test.
Please specify anti-viral treatments.

**HIV - Human Immunodeficiency Virus - genotyping (reverse transcriptase and protease genes):
Resistance profile to anti-viral drugs. - plasma**

RVIH

2mL EDTA Plasma ° FROZEN

 14 days (21 days if additional technique is required) °
Sequencing

 The minimum viral load is 50 copies/mL (85 IU)
The test will only be performed if the viral load has recently
been performed. Please ensure you enclose the result of
the recent viral load test.
Please specify anti-viral treatments.

HIV - Human Immunodeficiency Virus - p24 antigen - serum

P24AG

1mL Serum ° Refrigerated

 1 day ° Enzyme-immunoassay

 With neutralisation test if positive
ATTENTION: interference possible in patients treated with
biotin (vitamin B7, B8 or H) or taking any food supplement
containing biotin. Essential to STOP treatment 8 days
before taking the sample.

HIV - Human Immunodeficiency Virus - viral load - CSF

HIVQL

1mL CSF ° FREEZE

 1 week ° PCR

 1 individual aliquot for this analysis.

HLA-B27 - genotyping - whole blood

B27BM

5mL EDTA whole blood ° Ambient temperature

 4 days ° Real-time PCR

 According to regulation, each request must ALWAYS be
accompanied by a consent form signed by the patient and
the prescribing pathologist
Enclose the specific B12-INTGB request form: Molecular
Genetics

HLA class I and II - genotyping for transplants (International Division only)

HLAX

2 x 5 mL EDTA whole blood ° Refrigerated

 2 weeks ° Microlymphocytotoxicity assay + molecular biology

 Complete and attach the information form available on
www.biomnis.com together with the patient request form

HOMA - index - serum

HOMA

1mL Non haemolysed serum ° Frozen

 1 day °

 **Fasting sample**
It is essential to settle the serum without delay
Confirm the fasting blood sugar level performed on the same day as the sample collection for insulin (g/L)

Homocysteine - plasma

HOCY

1mL Citrated Plasma ° FROZEN

 1 day ° Automated latex immunoassay

 **Do not mistake to HOMOCYSTINE**
Fasting sample
[To be translated]

Homogentisic acid

HOMO *

10mL early morning urine sample (stored away from light) ° FROZEN

 4 weeks ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 **Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)**
Sample to be frozen within 1 hour. Home sampling is not advisable.

Homovanillic acid - Urine

HVA

[Indéfinie] Adult: 1 aliquot in tube urine of homogenized 24H.
Child: 2 aliquots in tube urine from urination.. ° FROZEN

 4 days ° LCMS/MS

 **Adult : specify the diuresis (volume of urine of 24H).**
Freeze quickly after the end of the collection.
The determination of urinary creatinine is carried out systematically.
Urines have to be stored refrigerated during the collection process
No need of specific diet anymore.
Do not transmit pot
Adult: mandatory diuresis

 **Tube for urine sample (4mL)-T28**

House dust panel - specific IgE

PANPO

2mL Serum ° Refrigerated



 **Use the specific request form B62: allergological panel**

HPV test for vaginal sampling or self-sampling

HPVPV

vaginal self-sampling ° Ambient temperature

 2 days ° Real-time PCR

-  Use the specific request form B63 : HPV test on vaginal swab or self-sampling (FLOQSwabs® Copan supplied by us).
Recap the swab after vaginal sampling and do not discharge it into a transport medium. The dry swab should be transported.
If the result is positive, the patient should have a cervical cytology performed by her health professional on a new endocervical-exocervical sample
-  K63P : Vaginal swab for sampling or self-sampling for cervical cancer screening.FLOQSwabs® Copan swab supplied by us

HTLV I/II - confirmation serology - serum

WBHTL

1mL Serum ° Refrigerated

 10 days ° Immunoblot

HTLV I/II Qualitative PCR - whole blood

HTLBM *

5mL EDTA whole blood ° Refrigerated

 2 weeks ° PCR + hybridisation

HTLV I/II - screening serology - serum

HTLV

1mL Serum ° Refrigerated

 2 days ° Chemiluminescence

-  Storage temperature (2-8°C) < 14 days during transport of specimen.

Human babesiosis - serology - serum

PIRO

1mL serum (do not use 10 mL tube) ° Refrigerated

 7 days ° Immunofluorescence

Human ehrlichiosis - serology - serum**EHRLI**

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Immunofluorescence

Human tissue transglutaminase antibody - IgA - serum**TGLU**

1mL serum (do not use 10 mL tube) ° Refrigerated

 2 days ° Fluorescent enzyme-immunoassay During the assay of the IgA anti-transglutaminase antibodies, if there is an alarm causing us to suspect a deficit in total IgA, the assay of total IgA and the assay of anti-transglutaminase IgG antibodies will be carried out in order to make the diagnosis of coeliac disease. For celiac disease diagnosis, results are valid only if patient is under a *¿normal¿* diet (including gluten) and if there is no evidence of IgA deficiency

Human tissue transglutaminase antibody - IgG - serum**TGLUG**

1mL serum (do not use 10 mL tube) ° Refrigerated

 2 days ° Fluorescent enzyme-immunoassay

Huntington disease - whole blood**CHOHU ***

5mL EDTA whole blood ° Ambient temperature or Refrigerated (if transport time is > 48 hours)

 30 days ° PCR Enclose the specific B12-INTGB request form: Molecular Genetics

Hyaluronic acid - pleural fluid**HYALP**

1mL Pleural fluid ° FROZEN

 4 days ° Turbidimetry Centrifuge without delay, separate the supernatant and freeze

Hyaluronic acid - serum**HYALS**

1mL Serum ° Refrigerated

 4 days ° Turbidimetry Centrifuge at high speed and separate the supernatant
Enclose clinical details

Hydroquinidine - Serum

HQUIN *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration

Hydroxychloroquine - whole blood

HCHLO *

2mL EDTA whole blood ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Hydroxyzine - Serum

HYDRO *

2mL Serum (do not use tubes with separator gel) ° Frozen

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration

Hypoxanthine - urine

HXANTU *

10mL urine sample ° FROZEN

 3 months °

 Freeze the sample within 1 hour after sampling

Ibuprofen - Serum

IBU *

2mL Serum (do not use tubes with separator gel) ° Refrigerated

 1 month ° HPLC - High Performance Liquid Chromatography / UV detection

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)

IgA/G/M - Immunoglobulins A/G/M - serum

GAM

2mL Serum ° Refrigerated

 1 day ° Immuno turbidimetry

 ALWAYS specify the patient's age and gender

IgA - Immunoglobulin A - IgA1 and IgA2 subclasses - serum**IGA12 ***

5mL Serum ° Refrigerated

 2 weeks ° Immuno turbidimetry ALWAYS specify the patient's age and gender

IgA - Immunoglobulin A secretory - stool**IGAS**

20g Stool sample ° Refrigerated

 8 days ° ELISA Enclose the specific clinical information form (R29-INTGB : Functional Coprology)

IgA - Immunoglobulin A - serum**IGA**

1mL Serum ° Refrigerated

 2 days ° Immuno turbidimetry ALWAYS specify the patient's age and gender

IgD - immunoglobulins D - serum**IGD**

1mL Serum ° FREEZE before sending

 1 week ° Immuno turbidimetry Freeze the sample within 1 hour after sampling

IgE against multiple individual allergens - food allergens - serum**MT**

1mL Serum ° Refrigerated

 3 days ° Enzyme-immunoassay

IgE against multiple individual allergens - Food and Inhalant panels - serum**MM**

1mL Serum ° Refrigerated

 3 days ° Enzyme-immunoassay

IgE against multiple individual allergens - inhalant allergens - serum**MP**

1mL Serum ° Refrigerated

 3 days ° Enzyme-immunoassay

IGF-1 - Somatomedin C - serum**SOMC**

1mL Serum ° FROZEN

 2 days ° Chemiluminescence 1 individual aliquot for this analysis.
Specify if treatment for acromegaly

IGF-2 - serum**IGF2 ***

1mL Serum ° FROZEN

 1 month ° Enzyme-immunoassay

IGFBP-3 - Insulin-like Growth Factor Binding protein-3 - serum**IGFBP**

1mL serum (do not use 10 mL tube) ° FROZEN

 1 week ° CLIA Specify the patient's age
Attach the clinical data

IgG Food Intolerance Panel 287 foods - serum**PA287**

200µL Serum ° Refrigerated

 3 weeks ° EIA

IgG - immunoglobulins G - CSF**IGGPL**

1mL CSF ° Refrigerated

 3 days ° Nephelometry or Turbidimetry

IgG - immunoglobulins G - IgG1 subclasses - serum**IGG1**

2mL Serum ° Refrigerated

 2 days ° Turbidimetry ALWAYS specify the patient's age and gender

IgG - immunoglobulins G - IgG2 subclasses - serum**IGG2**

2mL Serum ° Refrigerated

 2 days ° Turbidimetry ALWAYS specify the patient's age and gender

IgG - immunoglobulins G - IgG3 subclasses - serum**IGG3**

2mL Serum ° Refrigerated

 2 days ° Turbidimetry ALWAYS specify the patient's age and gender

IgG - immunoglobulins G - IgG4 subclasses - serum**IGG4**

2mL Serum ° Refrigerated

 2 days ° Turbidimetry ALWAYS specify the patient's age and gender

IgG - immunoglobulins G - serum**IGG**

1mL Serum ° Refrigerated

 2 days ° Immuno turbidimetry ALWAYS specify the patient's age and gender

IgM - immunoglobulins M - serum**IGM**

1mL Serum ° Refrigerated

 2 days ° Immuno turbidimetry ALWAYS specify the patient's age and gender

IgVH mutation state

IGVH *

5 mL EDTA whole blood or 5 mL bone marrow ° Ambient temperature

 1 month ° [To be translated]

-  Use the specific request form B8-INTGB: Malignant blood disorders
Attach:
- the results of the FBC-platelets
- the myelogram report
- the immunophenotyping report

Imatinib - Plasma

IMAT *

1mL Heparin plasma (do not use tubes with separator gel) ° Refrigerated

 15 days ° High-performance liquid chromatography /
high resolution mass spectrometry

-  Enclose the specific clinical information form (R7-INTGB :
Quantification of imatinib/Glivec® in plasma)

Imipramine - Serum

IMIP *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° LCMS

-  Enclose the specific clinical information form (R13-INTGB :
Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another
administration

Immunity protein profile without electrophoresis - serum

PPIMM

2mL Serum ° Refrigerated

 2 days ° Immuno turbidimetry

-  ALWAYS specify the patient's age and gender
This analysis includes: IgA, IgG, IgM

Immunobinding - serum

IFS

1mL Serum ° Refrigerated

 2 days ° Immunofixation (gel)

-  Lactescent/hemolysed serum samples are forbidden

Immunophenotyping: Lymphocytes B - CD19 - whole blood**B1**

3mL EDTA whole blood ° Ambient temperature

 1 day ° Flow Cytometry

-  Do not collect on Saturdays
The sample must reach us WITHOUT FAIL within 24 hrs of sampling.
Always attach the lymphocyte count performed on the same day as sampling.

Immunophenotyping: Lymphocytes CD3-CD4-CD8 - whole blood**CD48**

3mL EDTA whole blood ° Ambient temperature

 1 day ° Flow Cytometry

-  Sampling from Saturday to Thursday
The sample must reach us WITHOUT FAIL within 24 hrs of sampling.
Always attach the lymphocyte count performed on the same day as sampling or fax to 01 49 59 17 98

Immunophenotyping: Lymphocytes CD56+ / CD16+ - Natural Killer Cells - whole blood**NK**

3mL EDTA whole blood ° Ambient temperature

 1 day ° Flow Cytometry

-  Do not collect on Saturdays
Always attach the lymphocyte count performed on the same day as sampling.
The sample must reach us WITHOUT FAIL within 24 hrs following sampling

Immunophenotyping: Lymphocytes NK/CD57 - whole blood**CD57**

3mL EDTA whole blood ° Ambient temperature

 1 day ° Flow Cytometry

-  Do not collect on Saturdays
The sample must reach us WITHOUT FAIL within 24 hrs of sampling.
Always attach the lymphocyte count performed on the same day as sampling.

[Indéfinie] EDTA whole blood 1 tube 5 mL (tubes with gel separators are prohibited) + 1 unstained blood smear.
 Bone marrow collected on EDTA 1 tube > 0,5 mL (tubes with gel separators are prohibited) + 1 unstained medullary smear °
 Ambient temperature

 Turnaround time : according to clinical details : acute hemopathies : 2 days; other hémopathies : 5 days ° Flow

 Cannot be performed on CSF
 The sample must reach us WITHOUT FAIL within 24 hrs of sampling.
 Use the specific request form B8-INTGB: Malignant blood disorders
 For monocyte immunophenotyping, the sample cannot be analyzed beyond 48 hours.
 ALWAYS attach the last blood/platelet count results.
 Monocyte immunophenotyping is not possible on bone marrow

Indinavir - Serum

INDI *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 3 weeks ° HPLC or spectrophotometry

 Enclose the specific clinical information form (R6-INTGB : Anti retroviral treatment)

Indirect antiglobulin test - IAT - screening/identification

RAI

5mL EDTA whole blood (do not use tubes with separator gel) ° Refrigerated

 1 days (2 days in case of anti D titration/microtitration and 2 weeks in case sample is referred to the National Reference

 Enclose the specific clinical information form (R3-INTGB : Immunology-haematology (IA))
 [To be translated]
 1 individual aliquot for this analysis.
 Please specify the patients full civil status on the request form and primary tube: maiden name, married name or surname used, full first name, gender and date of birth.
 Please send us the primary tube.
 [To be translated]
 SUPPLEMENTARY ANALYSES IN THE EVENT OF BIOLOGICAL ANOMALY DETECTION: when performing specific analyses, the biologists complete the evaluation in order to characterise or have a better typing of a biological anomaly, we perform:
 - identification which is compulsory if the screening test is positive,
 - the RH-KEL1 phenotypes and/or a phenotype extended to cw, Kidd, Duffy antigens, etc. which are systematic, failing a valid result, to validate the anti-erythrocyte antibody identification,
 - an anti-erythrocyte antibody titration other than anti-A, anti-B with an assay by weight for anti-RH, which are compulsory for all pregnant women in whom we have identified an immune antibody,
 - a direct Coombs test to screen for antibodies fixed on red blood cells,
 - an adsorption test in the event of antibody mixing or autoimmunisation

Contact the International Division for further information

Inflammatory protein profile - serum

PPINF

2mL Serum ° FROZEN

 2 days ° Immuno turbidimetry

 ALWAYS specify the patient's age and gender
This analysis includes: Orosomucoid, haptoglobin, CRP

Infliximab

INFAC

1mL Serum ° Refrigerated

 14 days ° Enzyme-immunoassay

 Avoid lipid sera and samples that have been frozen/defrosted more than once.
Always draw blood at the same time before another administration
Please attach the specific clinical information sheet (R46 : Anti-TNF)

Influenza A and B - IgG serology - serum

GRIP

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° SERION ELISA classic

Influenza A and B - PCR direct diagnosis

GABPC

[Indéfinie] Nasopharyngeal swab or bronchial specimen, BAL ° Refrigerated

 3 days ° Real-time PCR

 The use of the S14UK transport bag is Mandatory.
other biological samples must not be diluted, to be sent in a plain tube
If typing is required, additional charges will be applied.
Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Inhibin A - serum

INIBE *

2mL Serum ° FREEZE

 30 days °

Inhibin A - ultrasensitive - serum

INHIA *

2mL Serum ° FROZEN

 2 months ° Enzyme-immunoassay

-  Always indicate the clinical context :
- Menopausal women
- Tumoral context
Enclose the specific clinical information form (R38-INTGB : Inhibin A)
Analysis reserved for women: Inhibine A does not exist in men.

Inhibin B

INHIB

1mL Serum no hémolysed (no 10 mL tube) ° FROZEN

 3 days ° Enzyme-immunoassay

-  ALWAYS attach the clinical and ultrasound information
ALWAYS collect sample between the 3rd and the 4th day of the menstrual cycle

Inhibin B - Child - serum

INHIE *

1mL Non haemolysed serum ° FREEZE before sending

 1 month ° Enzyme-immunoassay

-  Only for children younger than 5 years old
Attach the clinical data

INH - Isoniazid - Serum

INH *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 15 days ° Tandem mass spectrometry (MS/MS)

-  Enclose the specific information form R8 INTGB anti-fungal agents and anti-tuberculosis drugs
1 individual aliquot for this analysis.
Freeze the sample within 1 hour after sampling
Sampling should preferably be performed three hours after taking the medication (per os). Also possible T0: before taking the medication, Tmax: 1/2 hour after injection

Insulin - serum

INS

1mL Non haemolysed serum ° FREEZE before sending

 1 day ° Electrochemiluminescence

-  Fasting sample
It is essential to settle the serum without delay
For HOMA index calculation, confirm the fasting blood sugar level performed on the same day as the sample collection for insulin
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Interferon alpha - biological fluid**INFAD ***

1mL Biological fluid ° Refrigerated

 1 week ° Biological method Attach the clinical data

Interferon alpha - CSF**INAPL ***

500µL CSF ° Refrigerated

 15 days ° Biological method Attach the clinical data

Interferon alpha - neutralizing antibody - serum**INFAA ***

2mL Serum ° Refrigerated

 3 weeks ° Neutralisation test Attach the clinical data

Interferon alpha - serum**INFA ***

1mL Serum ° Refrigerated

 3 weeks ° Biological method The sample must reach us WITHOUT FAIL within 24 hrs following sampling
Attach the clinical data

Interferon gamma - CSF**INGPL ***

500µL CSF ° FREEZE

 4 weeks ° Enzyme-immunoassay Attach the clinical data

Interferon gamma production - Quantiferon® TB Gold Plus

QANR

plasma. ° Refrigerated

 3 days ° Enzyme-immunoassay

 Sampling to be carried out using the Quantiferon kit, to be ordered 3 days before the sample. Scrupulous compliance with the pre-analytical phase is required to ensure the quality of the result, in particular: - stir the tubes well before incubating 16 to 24h at 36-38°C - centrifuge before sending at +4°C. There are no recommendations on centrifugation but the gel needs to be positioned between the cap and the plasma.
[To be translated]

 K4: Quantiferon sampling kit

Interferon gamma - serum

INFGS

3mL serum (do not use 10 mL tube) ° FREEZE

 3 weeks ° Chemiluminescence

Interleukin 28B (IL28B polymorphisme C/T rs 12979860) - genotyping - whole blood

IL28B

*

5mL EDTA whole blood ° Refrigerated

 9 days ° Melting Curve Allelic Discrimination

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Sample must be refrigerated if transport is > 48 hours
Enclose the specific B12-INTGB request form: Molecular Genetics

Interleukin (IL)-10 - .

IL10D

*

200µL CSF, aqueous humor or vitreous ° FREEZE before sending

 60 days ° Luminex (Biorad)

 Always specify the sample type

Interleukin (IL)-10 - serum

IL10

1mL serum (do not use 10 mL tube) ° FROZEN

 3 weeks ° Chemiluminescence

Interleukin (IL)-1 alpha - serum**IL1A**

1mL serum (do not use 10 mL tube) ° FREEZE

 3 weeks ° Chemiluminescence

Interleukin (IL)-1 beta - serum**IL1B**

1mL serum (do not use 10 mL tube) ° FROZEN

 3 weeks ° Chemiluminescence

Interleukin (IL)-2 - receptor**RIL2 ***

1mL EDTA Plasma ° FROZEN

 60 days ° Enzyme-immunoassay

Interleukin (IL)-2 - serum**IL2**

1mL serum (do not use 10 mL tube) ° FROZEN

 3 weeks ° Chemiluminescence

Interleukin (IL)-4 - serum**IL4**

1mL serum (do not use 10 mL tube) ° FROZEN

 3 weeks ° Chemiluminescence

Interleukin (IL)-5**IL5 ***

1mL EDTA Plasma ° FROZEN

 1 month ° Enzyme-immunoassay

Interleukin (IL)-6 - .

IL6D *

200µL CSF, aqueous humor or vitreous ° FREEZE before sending

 60 days ° Luminex (Biorad)

 Always specify the sample type

Interleukin (IL)-6 - serum

IL6

1mL serum (do not use 10 mL tube) ° FROZEN

 3 weeks ° Chemiluminescence

Interleukin (IL)-8 - serum

IL8

1mL serum (do not use 10 mL tube) ° FROZEN

 3 weeks ° Chemiluminescence

Iodine - serum

IOD

2mL Serum (do not use tubes with separator gel) ° Refrigerated

 1 week ° Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

Iodine - urine

IODU

1tube(s) Collect an early morning urine (EMU) (or a 24 hour urine sample if screening for a surcharge) or a urine sample at the end of a shift if for occupational health. ° Refrigerated

 4 days ° Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

 Specify diuresis
Indicate on the request form whether it is for Occupational Medicine

 Tube for urine sample (4mL)-T28

Ionised calcium

CAIO

5mL Non decanted serum in a SST tube, centrifuge without opening the tube: IMPERATIVE ° FROZEN

 1 day ° Direct potentiometry

 Collect a specific aliquot for this test. Note : the sample will be used for this test only, do not associate another test request on the same sample
Freeze the sample within 1 hour after sampling
No sampling on glass tubes

 T5 : Tube for ionised calcium

Iron - saturation percentage - serum

COSAT

1mL Serum ° Refrigerated

 1 day ° Turbidimetry and Spectrometry

 Serum taken during fasting
This test includes: iron and total binding capacity

Iron - serum

FE

1mL Non haemolysed serum ° Refrigerated

 2 days ° Chemistry - Spectrophotometry

 Serum taken during fasting

Iron - total binding capacity - serum

CTST

1mL Serum ° Refrigerated

 2 days ° Immuno turbidimetry

 Serum taken during fasting

Iron - urines

FEU *

5mL Non acidified 24hrs urine collection ° Refrigerated

 2 weeks ° ICP-OES

 Specify diuresis
 T9 : Urine flasks 70 ml

Isavuconazole - Serum

ISAV *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography / UV detection

 Enclose the specific information form R8 INTGB anti-fungal agents and anti-tuberculosis drugs
1 individual aliquot for this analysis.

Isoelectric focussing - CSF + serum

EPLCR

1 mL CSF + 2 ml Serum (IMPERATIVE) ° Refrigerated

 4 days ° Isoelectric focusing

 1 specific tube for this analysis, especially if joint request of Borreliosis.
CSF and serum sample taken the same day
No compact or urine container for CSF samples

Isoleucine - plasma

ILEU

1mL Heparin Plasma ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography

-  Enclose the specific clinical information form (R1-INTGB : Amino Acids - Organic Acids)
Sample in a fasting state (for infants, draw sample 3-4 hours after bottle)
Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.

Isopropyl alcohol - Serum

PANOL

*

3mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° Gas Phase Chromatography / FID detection

-  Always indicate the clinical context
1 individual aliquot for this analysis.

Isovaleryl glycine - urine

IVAG

*

10mL Random urine ° FROZEN

 1 week °

-  Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
-  T9 : Urine flasks 70 ml

Itraconazole and hydroxylated metabolite - Serum

ITRA

*

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° LCMS

-  Enclose the specific information form R8 INTGB anti-fungal agents and anti-tuberculosis drugs
1 individual aliquot for this analysis.

JAK2 - gene - VAL617PHE (V617F) mutation - whole blood

JAK2

5mL EDTA whole blood ° Ambient temperature

 10 days ° Real-time PCR

-  Sample must be refrigerated if transport is > 48 hours
Use the specific request form B8-INTGB: Malignant blood disorders
For a sample older than 3 days old, the report will be released, but the result can be subject of the discussion in light of the sample stability. Please avoid taking samples on Fridays and prior to public holidays
.
ALWAYS attach the last blood/platelet count results.

Juvenalis - AgeCheck - man

AAMAS *

5 mL refrigerated serum;
2 x 2mL frozen serum;
1 mL frozen citrated plasma °

 3 weeks °

 Do not use tubes with phase separator
Fasting sample
[To be translated]
[To be translated]
[To be translated]
[To be translated]

Juvenalis - AgeCheck - woman

AAFEM *

5 mL refrigerated serum;
2 x 2mL frozen serum;
1 mL frozen citrated plasma °

 3 weeks °

 Do not use tubes with phase separator
Fasting sample
[To be translated]
[To be translated]
[To be translated]
[To be translated]

Juvenalis - BasicCheck

BASIC *

3 mL refrigerated EDTA whole blood /
2 x 4 mL refrigerated serum /
1 mL frozen serum < 4h /
2 mL frozen serum < 4h /
1 mL : frozen serum (protect from direct light) < 1h30 /
1 mL frozen citrated plasma <1h / °

 3 weeks °

 Do not use tubes with phase separator
Fasting sample
[To be translated]
[To be translated]
[To be translated]
[To be translated]

Juvenalis- Béta-defensine 2 - stool

BDEFJ

20g Stool sample ° Refrigerated

 8 days ° ELISA

Juvenalis - calprotectin - stool

CALPJ

[Indéfinie] Stool sample ° Refrigerated

 2 days ° Enzyme-immunoassay

 Enclose the specific clinical information form (R29-INTGB : Functional Coprology)
Use : small pot

Juvenalis - DAO - activity - serum

DAOJ

1mL Non haemolysed serum ° FREEZE

 2 weeks ° Enzyme-immunoassay

Juvenalis - DermaCheck

DERMA *

5 mL refrigerated serum;
1 mL frozen serum;
1 mL frozen serum (protect from direct light) < 90mn;
4 mL of refrigerated urine °

 2 weeks °

 Do not use tubes with phase separator
Fasting sample
[To be translated]
[To be translated]
[To be translated]
[To be translated]

Juvenalis - DigestCheck

DIGES *

1 refrigerated stool sample ° Refrigerated

 4 weeks °

 [To be translated]
[To be translated]
[To be translated]
[To be translated]

Juvenalis Elastase - stool

ELASJ

20g Stool sample ° Refrigerated

 7 days ° Enzyme-immunoassay

 Use : small pot
Liquid stools are accepted but the dilution may result in underestimation of elastase levels.

Juvenalis - Histamin - plasma

HISTJ

1mL Non haemolysed EDTA plasma ° FROZEN

 1 week ° Radioimmunoassay or enzyme immunoassay

 No sampling on glass tubes
Shake the tube gently by turning over. Whole blood can be stored for 2 hrs at ambient temperature or 12 hrs at +4°C. During this time, centrifuge for 10 minutes at 900g. Aspirate the plasma slowly, to at least 1 cm from the sediment. After an anaphylactic shock, sample 30 to 60 min after the onset of clinical signs (SFAR recommendations)

Juvenalis - IgA - immunoglobulines A - stool

IGASJ

20g Stool sample ° Refrigerated

 8 days ° ELISA

 Enclose the specific clinical information form (R29-INTGB : Functional Coprology)

Juvenalis - IgG - gluten - serum

F79GJ

1mL Serum ° Refrigerated

 1 week ° Fluorescent enzyme-immunoassay

Juvénalis - IgG - white egg - serum

F1GJ

1mL Serum ° Refrigerated

 1 week ° Fluorescent enzyme-immunoassay

Juvenalis - Microbiote intestinal - Stools

JBLOT *

1g Stools ° Ambient temperature

 6 weeks ° New generation sequencing

 IMPERATIVELY use the JUK12 kit (Microbiota Kit) to order on Biomnis Connect
[To be translated]
The level of the sample must be below or at the blue line. It must not exceed the blue line.
 [To be translated]

Juvenalis - mineral panel

MINER *

3 mL refrigerated serum;
4 mL refrigerated urine °

 2 weeks °

 Do not use tubes with phase separator
Fasting sample
[To be translated]
[To be translated]
[To be translated]
[To be translated]
[To be translated]

Juvenalis - MiniCheck

MINI *

[Indéfinie] 2 x 2 ml refrigerated serum;
2 x 1 ml refrigerated serum;
2 x 2 ml frozen serum;
1 ml frozen citrated °

 3 weeks °

 Do not use tubes with phase separator
Fasting sample
[To be translated]
[To be translated]
[To be translated]
[To be translated]

Juvenalis - NutriCheck

NUTRI *

3 mL refrigerated EDTA whole blood;
2 x 3 mL refrigerated serum;
1 mL frozen serum (protect from direct light) < 90 mn;
1 mL frozen citrated plasma °

 4 weeks °

 Fasting sample
[To be translated]
[To be translated]
[To be translated]
[To be translated]

Juvenalis - OxyCheck

OXYC *

2 x 2 ml heparinized plasma: refrigerated /
1 ml serum: frozen (<4h)/
1 ml serum: refrigerated (<4h)/
2 ml heparinised plasma: frozen (<1.5 hours) /
1 pellet lithium heparin : frozen (< 1 hours) / °

 5 weeks °

 Do not use tubes with phase separator
Fasting sample
[To be translated]
[To be translated]
[To be translated]
[To be translated]

3 mL refrigerated EDTA whole blood;
4 mL refrigerated serum;
2 mL frozen serum (protect from direct light) < 90 mn;
2 mL frozen serum ;
1 mL frozen citrated plasma °

 4 weeks °

 Do not use tubes with phase separator
Fasting sample
[To be translated]
[To be translated]
[To be translated]
[To be translated]

2 x 3 mL EDTA whole blood;
2 x 3 mL refrigerated serum;
2 mL frozen serum (protect from direct light) < 90 mn;
2 mL frozen serum ;
1 mL frozen citrated plasma °

 4 weeks °

 Do not use tubes with phase separator
Fasting sample
[To be translated]
[To be translated]
[To be translated]
[To be translated]

2 x 3 mL EDTA whole blood;
4 mL refrigerated serum;
1 mL frozen serum (protect from direct light) < 90 mn;
1 mL frozen citrated plasma < 1h;
4 mL refrigerated urine °

 4 weeks °

 Do not use tubes with phase separator
Fasting sample
[To be translated]
[To be translated]
[To be translated]
[To be translated]
[To be translated]

Juvenalis - vitamins panel

VITAM *

3 mL refrigerated EDTA whole blood;
3 x 3 mL EDTA whole blood (protect from direct light);
1 mL refrigerated serum;
1 mL frozen serum (protect from direct light) < 90 mn;
2 mL frozen Li heparin plasma (protect from direct light) °

 3 weeks °

 Do not use tubes with phase separator
Fasting sample
[To be translated]
[To be translated]
[To be translated]
[To be translated]
[To be translated]

Juvenalis - Zonuline - stool

ZONUJ

20g Stool sample ° Refrigerated

 8 days ° ELISA

Kappa free light chains - serum

KAPAL

2mL Serum ° Refrigerated

 2 days ° Immuno turbidimetry

 Please ensure to indicate the clinical context and if available the result from the serum immunofixation

Kappa free light chains - urine

KAPPU

1tube(s) 24hr Urine collection ° Refrigerated

 1 week ° Turbidimetry

 Please ensure to indicate the clinical context and if available the result from the serum immunofixation

 Tube for urine sample (4mL)-T28

Ketamine - Serum

KETAS *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° Liquid Phase Chromatography / Mass Spectrometry (LC-MS)

 Assayed in cases of intoxication only. This test is not performed for follow up cases.
[To be translated]

Ketamine - urines

KETAU *

5mL Urine sample ° FROZEN

 2 weeks ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 Sample to be frozen within 1 hour. Home sampling is not advisable.
Assayed in cases of intoxication only. This test is not performed for follow up cases.
[To be translated]

Ketoconazole - Serum

KETO *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography / UV detection

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)

Ketone bodies - Deproteinized heparin whole blood sample or CSF

CETO *

[Indéfinie] Deproteinized heparin whole blood sample or CSF ° FROZEN

 2 weeks ° Chemistry - Spectrophotometry

 Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
Please consult the specific sample collection/storage protocol
Sample to be frozen within 1 hour. Home sampling is not advisable.
For lactate and pyruvate testing in CSF samples: please freeze the sample within one hour of collection
[To be translated]

Ketoprofen - Serum

KET *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography / DAD

 1 individual aliquot for this analysis.

Kingella kingae - direct diagnosis - PCR

KINGK

synovial fluid, blood, biopsy, pus, punctures, swab. ° Refrigerated

 3 days ° RT - PCR in real time

 The use of the S14UK transport bag is Mandatory.
 K1: Virus screening kit by culture or PCR

Lacosamide - Vimpat - Serum

VIMPA *

1mL Serum (do not use tubes with separator gel) ° FREEZE

 2 weeks °

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Lactic acid

LACT

1mL Plasma collected on sodium fluoride / potassium oxalate ° FROZEN

 1 day ° Chemistry - Spectrophotometry

-  1 individual aliquot for this analysis.
Freeze the sample within 1 hour after sampling
INDIVIDUAL OR DELICATE SAMPLE: venal blood samples must be taken when the subject has fasted and without the use of a tourniquet. Blood samples collected in fluoride tubes must be immediately put in ice, centrifuged in a refrigerated and decanted within the first 15 minutes of sample collection. The plasma must be frozen within 1 hour of sample collection. Icteric and/or haemolysed samples should be removed

Lactic acid - CSF

LACLC *

[Indéfinie] CSF ° FROZEN

 2 weeks ° Chemistry - Spectrophotometry

-  Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
Sample to be frozen within 1 hour. Home sampling is not advisable.

lactose primary intolerance - Genetic characterization - whole blood

LCT

5mL EDTA whole blood ° Ambient temperature

 1 month ° kit LAMP Human Lactose Intolerance CE-IVD, Loop-mediated isothermal amplification

-  According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Enclose the specific B12-INTGB request form: Molecular Genetics

LAM2-t(8;21) Leukemia acute myeloid - whole blood

LAM2 *

5mL EDTA whole blood ° Ambient temperature

 30 days °

LAM2-t(8;21) Leukemia quantitative PCR t(8;21) - whole blood

LAM2Q *

5mL EDTA whole blood ° Ambient temperature

 30 days ° RQ-PCR

Lambda free light chains - serum

LAMBL

2mL Serum ° Refrigerated

 2 days ° Immuno turbidimetry

 Please ensure to indicate the clinical context and if available the result from the serum immunofixation

Lambda free light chains - urine

LAMBU

1tube(s) 24hr Urine collection ° Refrigerated

 1 week ° Turbidimetry

 Please ensure to indicate the clinical context and if available the result from the serum immunofixation

 Tube for urine sample (4mL)-T28

Lamivudine - plasma

LAMIV *

3mL EDTA Plasma centrifuged immediately ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography

 Sample at TO (before intake) T1H and T3H (after intake)
Enclose the specific clinical information form (R6-INTGB :
Anti retroviral treatment)

Lamotrigine - serum

LAMO

1mL Serum (do not use tubes with separator gel) ° FROZEN

 4 days ° LCMS/MS

 Enclose the specific clinical information form (R13-INTGB :
Medication quantification)
The therapeutic drug monitoring code suggests that the
sample should be carried out at the residual rate (just
before taking medication).
1 individual aliquot for this analysis.
The following examinations can be performed on the same
sample: Levetiracetam; Gabapentine; Lamotrigine;
Oxcarbazepine/10-OH-Carbamazepine; Topiramate.

L-carnitine - seminal plasma

LCAR

1mL Seminal plasma on fluoridated tube ° FREEZE

 15 days ° Chemistry - Spectrophotometry

 Sample to be collected after 2 to 5 days of abstinence. Always indicate the ejaculate volume, the pH, sperms count and abstinence period. Centrifuge and freeze the supernatant immediately.

LDH - Lactate dehydrogenase

LDHD

2mL Biological fluid other than serum except CSF ° Ambient temperature

 1 day ° Chemistry - Spectrophotometry

 Not to to be performed on haemolysed sample

LDH - Lactate dehydrogenase - isoenzymes

ILDH

2mL Serum no hémolysed (no 10 mL tube) ° Ambient temperature

 1 week ° Electrophoresis

 The sample must reach us WITHOUT FAIL within 24 hrs of sampling.
Not to to be performed on haemolysed sample

LDH - Lactate dehydrogenase - serum

LDH

1mL Serum ° Ambient temperature

 2 days ° Chemistry - Spectrophotometry

 Do not use haemolysed samples, on EDTA, sodium fluoride and potassium oxalate

Lead - urine

PBU

1tube(s) End of working shift urine or Urine - 24-hour sample ° Refrigerated

 5 days ° Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

 Tube for urine sample (4mL)-T28

Lead - whole blood

PBST

5mL Whole blood sodium heparin, lithium heparin, EDTA (prohibit use of tubes with separator) ° Refrigerated

 4 days ° Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

 Specimen must be referred immediately after sampling given that the stability of the sample is 14 days. Special trace element tubes (sodium heparin) are recommended. The use of vacuum tubes is recommended. Childhood lead poisoning: caution, all childhood lead blood testing requests must be accompanied by the "Lead poisoning in minor children" sheet downloadable on the site www.biomnis.com. In order to avoid the risk of external pollution: Do not sample at the contaminated site. The skin must be washed with disinfectant before sampling.

 T4 : Sodium Heparin tube

Legionellosis antigenes LP1 - urines

LEGAG

10mL Urine ° Refrigerated

 1 day ° Immuno chromatography

 The use of the S14UK transport bag is Mandatory. Urine stored with boric acid are accepted

 S14: Special mycobacteria transport bags are to be used

Legionellosis - direct diagnosis - PCR

LEGBM

[Indéfinie] Bronchial aspiration, Sputum, BAL, Puncture fluid (pleural, pericardial fluid), biopsy (pulmonary, digestive, cardiac valve) ° Refrigerated

 3 days ° Real-time PCR

 The use of the S14UK transport bag is Mandatory.

 S14: Special mycobacteria transport bags are to be used

Legionellosis - serogroups 1 to 6 - IgG confirmation serology - serum

LEGIT

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Immunofluorescence

 Systematically performed in the event of a positive screening test

Legionellosis - serogroups 1 to 6 - IgG serology screening - serum

LEGIO

1mL serum (do not use 10 mL tube) ° Refrigerated

 4 days ° Enzyme-immunoassay

 If positive, titrate serogroups 1 to 6

Legionellosis - serotyping

LEGIS

*

Strain ° Ambient temperature

 15 days ° Agglutination

Leishmaniasis - confirmation serology - serum

LEIWB

1mL serum (do not use 10 mL tube) ° Refrigerated

 7 days ° Western-Blot

Leishmaniasis - direct diagnosis - PCR

LEIBM

*

Skin biopsy (except skin biopsy on blotter), lymph node biopsy, whole blood EDTA, bone marrow EDTA ° Refrigerated

 2 weeks ° PCR

 The use of the S14UK transport bag is Mandatory.
Blood on blotting paper: use Whatmann 3mm paper, to be placed in a sterile container suitable for the volume. If this is not available, use the Guthrie test blotter.
Attach the clinical data
Biopsies: place in a sterile container suitable for the volume.
Skin biopsies on blotters are not accepted.

 S14: Special mycobacteria transport bags are to be used

Leishmaniasis - serology - serum

LEIS

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Enzyme-immunoassay + Immunofluorescence

 If positive, the confirmation test is automatically performed.

Lepticur - serum

TROPA

*

2mL Serum ° Refrigerated

 10 days ° High-performance liquid chromatography / Spectrometry

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)

Leptin - serum

LEP

1mL Serum ° FROZEN

 2 weeks (if dilution/control needed - TAT 4 weeks ° ELISA

 Always specify the patient's height, weight and age and the sampling date

Leptospirosis - 9 antigens serology - Martin-Pettit - serum

LEPTA *

2mL serum (do not use 10 mL tube) ° Refrigerated

 7 days ° Micro-Agglutination

 From 5 days after the start of symptoms

Leptospirosis - direct diagnosis - PCR

LEPBM

1 mL Serum, EDTA Plasma, EDTA whole blood : +4°C
10 mL Urines : +4°C
0.5 mL CSF : FROZEN °

 3 days ° Real-time PCR

 Enclose the specific clinical information form (R35-INTGB : Infectiology)

The use of the S14UK transport bag is Mandatory.
To be performed only during that viremic phase (first 10 days after the infection onset)
Stability time and temperature: 5 days between sampling date and arrival in technical

 S14: Special mycobacteria transport bags are to be used

Leptospirosis - IgM serology - serum

LEPT

2mL serum (do not use 10 mL tube) ° Refrigerated

 7 days ° Enzyme-immunoassay

 Enclose the specific clinical information form (R35-INTGB : Infectiology)

Only to be performed during the immune phase (IgM detection, approx. seven days after the onset of the disease, for two or three months)

Leukocyte Count Detailed

FS

3 Non-stained thin blood smears ° Ambient temperature

 2 days ° Staining and microscopic analysis

 Use the specific request form B8-INTGB: Malignant blood disorders

 T25 : Slide cases (blood film or bone marrow analysis)

Levetiracetam - serum

KEP

1mL Serum (do not use tubes with separator gel) ° FROZEN

 4 days ° LCMS/MS

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)

The therapeutic drug monitoring code suggests that the sample should be carried out at the residual rate (just before taking medication).
1 individual aliquot for this analysis.

The following examinations can be performed on the same sample: Levetiracetam; Gabapentine; Lamotrigine; Oxcarbazepine/10-OH-Carbamazepine; Topiramate.

Levofloxacin - Serum**LEVOX ***

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography Centrifuge the sample and decant rapidly
Enclose the specific clinical information form (R13-INTGB :
Medication quantification)
1 individual aliquot for this analysis.

Levomepromazine - Serum**LEVO ***

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° HPLC - High Performance Liquid Chromatography /
UV detection Enclose the specific clinical information form (R13-INTGB :
Medication quantification)
1 individual aliquot for this analysis.

LH - Luteinising hormone - serum**LH**

1mL Serum ° Refrigerated

 1 day ° Electrochemiluminescence Enclose clinical details
Attach age and period of cycle
ATTENTION: interference possible in patients treated with
biotin (vitamin B7, B8 or H) or taking any food supplement
containing biotin. Essential to STOP treatment 8 days
before taking the sample.

LH - Luteinising hormone - urines**LHU ***

1tube(s) Non acidified 24hrs urine collection ° Refrigerated

 15 days ° Chemiluminescence This test automatically includes the urine LH level for
children
Specify diuresis

Lidocaine - Serum**LIDO ***

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography Enclose the specific clinical information form (R13-INTGB :
Medication quantification)
1 individual aliquot for this analysis.

Lipase - aspiration biopsy**LIPAD**

1mL Aspiration biopsy ° Refrigerated

 1 day ° Colorimetry

Lipase - serum

LIPA

1mL Serum ° Refrigerated

 1 day ° Chemistry - Spectrophotometry

Lipase - urine

LIPAU

1tube(s) 24hr or random urine sample ° Refrigerated

 1 day ° Colorimetry

 Specify diuresis

 Tube for urine sample (4mL)-T28

Lipofuscinosis Neuronal Ceroide enzymatic deficiency - whole blood

CLNX *

5mL EDTA whole blood ° Refrigerated

 10 days °

Lipoprotein Lp(a) - serum

LPA

1mL Serum ° Refrigerated

 1 day ° Turbidimetry

 Lp(a) lipoproteins are not to be confused with LPA1 lipoparticles when preparing the request form. Word the request accurately

Listeria monocytogenes - direct diagnosis - PCR

LISBM

2 mL EDTA whole blood or EDTA plasma or serum, 500 µL (minimum) CSF ° Refrigerated

 3 days ° Real-time PCR

 The use of the S14UK transport bag is Mandatory.

 S14: Special mycobacteria transport bags are to be used

Lithium - serum

LI

1mL Serum ° Refrigerated

 2 days ° Colorimetry

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
Do not use tubes containing lithium heparin or iodo-acetate
Standard collection : collect the sample in the morning 12hrs after administration and before any further treatment
Prolonged administration collection : (given in the evening) collect sample in the morning 12hrs after administration or in the evening 24 hrs after administration and before any further treatment

L-Lactate - urines

LLACX *

10mL Urines ° FREEZE before sending

 4 weeks °

LMMC Search transcrit fusion PDFGRB-TEL by RQ-PCR - whole blood

LMMCP *

5mL EDTA whole blood ° Ambient temperature or Refrigerated

 30 days ° RQ-PCR

LMMC - whole blood

CEBPA *

5mL EDTA whole blood ° Ambient temperature

 30 days ° PCR + sequencing

Lopinavir - Serum

LOPI *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R6-INTGB : Anti retroviral treatment)

Loprazolam - Serum

LOPRA *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Lorazepam - Serum

LORAZ *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Lormetazepam - Serum

LORME *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° Liquid Phase Chromatography / Mass Spectrometry (LC-MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Loxapine - Serum

LOXAP *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

LSD - Lysergic acid diethylamide

LSDS *

2mL Serum (kept away from light), do not use tube with separator gel ° FROZEN

 2 weeks ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Freeze the sample within 4 hours after sampling
1 individual aliquot for this analysis.
[To be translated]

LSD - Lysergic acid diethylamide - biological fluid

LSDD *

2mL biological fluid (to be stored away from light) ° FROZEN

 2 months ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Freeze the sample within 1 hour after sampling
[To be translated]

LSD - Lysergic acid diethylamide - Urine

LSDC *

1tube(s) Random urine sample (stored away from light) ° FROZEN

 2 weeks ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Sample to be frozen within 1 hour. Home sampling is not advisable.
[To be translated]

 Tube for urine sample (4mL)-T28

Lyme disease - IgG/IgM screening serology - serum**BOR**

1mL Serum ° Refrigerated

 2 days ° Chemiluminescence In case of positive or borderline screening result, the confirmation test is automatically performed

Lyme disease - IgG intrathecal index - CSF + serum**BOINT**

1 mL CSF + 1 mL Serum (IMPERATIVE) ° Refrigerated

 4 days ° Chemiluminescence and Immunoturbidimetry a specific tube for CSF

Lyme disease - screening serology - CSF**BORPL**

1mL CSF ° Refrigerated

 2 days ° Chemiluminescence

Lyso-Gb3**LGB3 ***

3mL EDTA plasma (do not use tubes with gel separator) ° FROZEN

 6 weeks ° Tandem mass spectrometry (MS/MS) Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
1 individual aliquot for this analysis.
Centrifuge, Decant, freeze rapidly

Lysozyme - serum**LYSO**

1mL serum (do not use 10 mL tube) ° Frozen

 4 days ° Turbidimetry

Magnesium - serum**MG**

1mL Serum ° Refrigerated

 2 days ° Chemistry - Spectrophotometry

Magnesium - urines

MGU

1tube(s) Acidified 24H urine sample (pH = 1) ° Refrigerated

 2 days ° Chemistry - Spectrophotometry

 Store urine in a cool place during collection.
Urine acidified with HCl
Specify diuresis

 Tube for urine sample (4mL)-T28

Malaria - serology - serum

PALU

1mL serum (do not use 10 mL tube) ° Refrigerated

 14 days ° ELISA

Malondialdehyde - plasma

MDA *

1mL Lithium heparin plasma ° FROZEN

 3 weeks ° Fluorometry

 Refrigerated centrifugation
Sample to be frozen within 1 hour. Home sampling is not advisable.

Mandelic acid - urine

MAND *

15mL Random urine ° Refrigerated

 2 weeks ° HPLC - High Performance Liquid Chromatography /
UV detection

 Sample at end of work shift

 T9 : Urine flasks 70 ml

Manganese - Serum

MN *

2mL Serum (do not use tubes with separator gel) ° Refrigerated

 15 days ° ICP/MS

Manganese - urine

MNU *

10mL Random urine ° Refrigerated

 15 days ° ICP/MS

 Sample at end of work shift and at end of working week

 T9 : Urine flasks 70 ml

Manganese - whole blood

MNST *

5mL Heparin whole blood (stored away from light) ° Refrigerated

 10 days ° ICP/MS

Maprotiline - Serum

MAPRH *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° GCMS

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration

Maraviroc - Serum

MARA *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° LCMS

 Always sample at the same time before another administration
Attach the clinical data sheet

Marie Charcot Tooth Disease - whole blood

CHARC *

5mL EDTA whole blood ° Ambient temperature

 30 days ° PCR

 Enclose the specific B12-INTGB request form: Molecular Genetics

Markers in progressive systemic sclerosis(Scleroderma) - serum

SCLER

1mL Serum ° Refrigerated

 1 week ° Immunodot

m-BCR-ABL quantification for MDR evaluation - whole blood

BCRX *

5mL EDTA whole blood ° Ambient temperature

 30 days ° RT - PCR

M-BCR ABL variant - quantification - whole blood

QMBCR

*

5mL EDTA whole blood ° Ambient temperature

 30 days ° RT - PCR

MDS- NGS panel (Myelodysplastic syndrome)

MYSMD

2mL 2 x 5 ml EDTA whole blood or 2 ml EDTA bone marrow or DNA extracted : (200ng of DNA minimum) ° Ambient temperature

 10 days (Results may require an extended turnaround time, one week, depending on the confirmation tests required by Sanger

 Sample must be refrigerated if transport is > 48 hours
Samples to be collected from Monday to Wednesday
Use the specific request form B8-INTGB: Malignant blood disorders
Attach:
- the results of the FBC - platelets
- the myelogram report

Measles - direct diagnosis - PCR

ROUBM

Saliva, throat swab, nose swab, Nasopharynx, BAL, Bronchial secretions, 1 ml EDTA whole blood, EDTA plasma, serum, 0.5 mL (minimum) CSF ° Refrigerated

 3 days ° Real-time PCR

 Please attach the specific clinical information sheet (R53 - INTGB: RT-PCR Measles)
The use of the S14UK transport bag is Mandatory.
Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Measles - IgG/IgM serology - serum

ROUG

1mL Serum ° Refrigerated

 2 days ° Chemiluminescence

 Storage temperature (2-8°C) < 7 days during transport of specimen.

Measles IgG - intrathecal synthesis rate - CSF + serum

ROUPL

*

[Indéfinie] 1 mL CSF + 1 mL Serum (IMPERATIVE) ° Refrigerated

 20 days ° Enzyme-immunoassay

 Specific clinical information form
Storage temperature (2-8°C) < 7 days during transport of specimen.

Measles - immunity test - IgG serology - serum

ROUGG

1mL Serum ° Refrigerated

 2 days ° Chemiluminescence

 Storage temperature (2-8°C) < 7 days during transport of specimen.
On specific request

Melatonin

MELAS

*

2mL EDTA plasma ° FROZEN

 3 months ° Radioimmunoassay

 1 individual aliquot for this analysis.
Night time sample required, between midnight and 4am

Melatonin - saliva

MELSA

0.5mL Salivette® saliva sample ° FREEZE

 1 month ° ELISA

 CIRCADIAN RHYTHM: This biological molecule has a circadian rhythm (maximum concentration in night), with a sufficiently significant amplitude to have an important influence on the clinical interpretation
SPECIAL OR DELICATE SAMPLE: the kit used to collect and transport the saliva sample is called a "Salivette". It is available upon request. Before sampling, the patient must observe a time of at least 30 minutes without consuming food or acidic beverages. It is very important not to contaminate the saliva sample with blood, therefore, it is necessary to avoid brushing teeth before collection. The collection protocol is described in the package insert accompanying the sampling kit.

 K5: Sample kit-Saliva

Melatonin - urine

MELAU

*

1tube(s) Urine ° FROZEN

 5 weeks °

 Make 3 different collection
From 08.00 pm to 08.00 am
From 08. Am to 12.00 am
From 12.00 am to 08.00 pm

Please indicate the urine volume for each collection on the request form and on the tubes , and send us only 4 mL of each collection
Attach the clinical data

 Tube for urine sample (4mL)-T28

Melatonin - urines

MELT3 *

1tube(s) Urines ° FROZEN

 5 weeks °

 [To be translated]

 Tube for urine sample (4mL)-T28

Mepivacaine - serum

MEPI *

2mL Serum ° Refrigerated

 2 weeks ° HPLC - High Performance Liquid Chromatography / UV detection

 Specify:
- the reasons for the prescription (efficiency and/or toxicity test),
- the sampling time
- the treatment start date and/or the date of any change of dosage
- the dosage data (quantity administered, frequency, administration route),
- the subject's age, height and weight if possible.

Meprobamate - Serum

MEPS *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° Gas Phase Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Meprobamate - urine

MEPU *

1tube(s) urine sample ° Refrigerated

 2 weeks ° Gas Phase Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)

 Tube for urine sample (4mL)-T28

Mercury - biological fluid

HGD *

5mL Biological fluid ° Refrigerated

 2 weeks ° Atomic absorption

 Transfer whole blood into a special glass tube with a PTFE lid

Mercury - hair specimen

HGCH *

200mg Hair specimen ° Ambient temperature

 2 weeks ° Atomic absorption

 Cut a match-sized lock of hair next to the scalp
Place the lock in a glass or plastic tube

Mercury - saliva

HGS *

5mL Saliva ° Refrigerated

 2 weeks ° Atomic absorption

 [To be translated]
Sample at end of work shift

Mercury - urine

HGU *

20mL urine sample ° Refrigerated

 16 days ° Atomic absorption

 Collect the sample on a plastic container
[To be translated]
Sample at end of work shift

 T9 : Urine flasks 70 ml

Mercury - whole blood

HGST *

5mL EDTA whole blood or Heparin ° Refrigerated

 2 weeks ° Atomic absorption

 Do not use tubes containing merthiolate
[To be translated]

Metabolic Enzymes - whole blood

ENZYX *

10mL EDTA whole blood ° Refrigerated

 4 weeks °

Metapneumovirus - hMPV - direct diagnosis - PCR

METBM

Nasopharynx, bronchial secretions, BAL: ° Refrigerated

 3 days ° Real-time PCR

 Also available in multiplex PCR (VIRBM) which includes detection of RSV, HMPV and rhinoviruses.
The use of the S14UK transport bag is Mandatory.
other biological samples must not be diluted, to be sent in a plain tube
Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Metformin - biological fluid

METFD *

2mL Biological fluid ° Refrigerated

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Specify:
- the reasons for the prescription (efficiency and/or toxicity test),
- the sampling time
- the treatment start date and/or the date of any change of dosage
- the dosage data (quantity administered, frequency, administration route),
- the subject's age, height and weight if possible.

Metformin - Serum

METFO *

2mL Serum (do not use tubes with separator gel) ° Refrigerated

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)

Methadone and EDDP - Serum

MTDS *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 3 weeks ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
[To be translated]

Methadone - screening - urine

MTD

1tube(s) Random urine ° Refrigerated

 1 day ° Immunology (KIMS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
[To be translated]

 Tube for urine sample (4mL)-T28

Methaemoglobin - whole blood

METHB

1mL Lithium heparin whole blood ° Refrigerated

 1 day ° Spectrophotometry

Methaqualone - Serum

MQUAL *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
[To be translated]

Methionine

METHI

1mL heparinised plasma (do not use tubes with gel separators) ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R1-INTGB : Amino Acids - Organic Acids)
Sample in a fasting state (for infants, draw sample 3-4 hours after bottle)
Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.

Methotrexate - Serum

METHO *

1mL Serum (do not use tubes with separator gel) ° Refrigerated

 1 week ° Enzyme-immunoassay

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)

Methoxy 1 propanol 2 - 2PG1ME - urine

MEPRO *

10mL urine sample ° Refrigerated

 3 weeks ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 Glass container with PTFE stopper, supplied upon request
Sample at end of work shift

 T18 : Glass flask, PTFE lid for organic solvents detection - urine

Methoxylated derivatives of catecholamines - Free metanephrines

METS

2mL lithium heparin plasma (do not use tubes with separator gel) ° FROZEN

 6 days ° LCMS/MS

-  Fasting sample
Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.

Methoxylated derivatives of catecholamines - Free metanephrines - child - urine

MTAEN

2tube(s) Random urine ° FROZEN

 4 days ° LCMS/MS

-  Code reserved for children < 18 years of age (see specific code for adults).
1 individual aliquot for this analysis.
Freeze quickly after the end of the collection.
No need of specific diet anymore.
Do not transmit pot
-  Tube for urine sample (4mL)-T28

Methoxylated derivatives of catecholamines - Free metanephrines - Urine

MTANU

1tube(s) Homogenized 24H urine ° FROZEN

 4 days ° LCMS/MS

-  Code reserved for adults from 18 years old (see specific code for children).
1 individual aliquot for this analysis.
Specify the diuresis (volume of urine of 24H).
Freeze quickly after the end of the collection.
Urines have to be stored refrigerated during the collection process
No need of specific diet anymore.
Do not perform sampling during menstruation period.
Do not transmit pot
-  Tube for urine sample (4mL)-T28

Methycitric acid - urines

AMCIT *

10mL 24hr or random urine sample (child) ° FROZEN

 1 week °

-  Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
-  T9 : Urine flasks 70 ml

Methyl alcohol - Serum

METH *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° Gas Phase Chromatography

-  Always indicate the clinical context
1 individual aliquot for this analysis.

Methyl alcohol - urine

METHU *

10mL urine sample ° Refrigerated

 18 days ° Gas Phase Chromatography / FID detection

 Sample at end of work shift

 T9 : Urine flasks 70 ml

Methylenetetrahydrofolate reductase - MTHFR gene - c.1298A>C mutation - whole blood

MTHF2

5mL EDTA whole blood ° Ambient temperature

 9 days ° LAMP PCR

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Sample must be refrigerated if transport is > 48 hours

Methylenetetrahydrofolate reductase - MTHFR gene - c.677C>T mutation - whole blood

MTHFR

5mL EDTA whole blood ° Ambient temperature

 9 days ° LAMP PCR

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Sample must be refrigerated if transport is > 48 hours
Enclose the specific B12-INTGB request form: Molecular Genetics

Methyl ethyl ketone - urine

MECET *

10mL urine sample ° Refrigerated

 2 weeks ° Gas Phase Chromatography / FID detection

 Glass container with PTFE stopper, supplied upon request
Sample at end of work shift

 T18 : Glass flask, PFTE lid for organic solvents detection - urine

Methylhippuric acid - urine

MAH *

10mL urine sample ° Refrigerated

 3 weeks ° HPLC - High Performance Liquid Chromatography / UV detection

 Collect the sample on a plastic container
Sample at end of work shift

 T9 : Urine flasks 70 ml

Methyl isobutyl ketone - urine

MIBK

*

10mL urine sample ° Refrigerated

 2 weeks ° Gas Phase Chromatography / FID detection

 Glass container with PTFE stopper, supplied upon request

 T18 : Glass flask, PFTE lid for organic solvents detection - urine

Methylmalonic acid

MALON

*

2mL heparinised plasma (do not use tubes with gel separators) ° FROZEN

 1 month ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
Fasting sample
Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.

Methylmalonic acid - urines

MALOU

*

15mL Early morning urine ° FROZEN

 4 weeks ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)

Methylphenidate Hydrochloride - Serum

RITAL

*

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° Liquid Phase Chromatography / Mass Spectrometry (LC-MS)

 1 individual aliquot for this analysis.

Metoprolol - Serum

MTPRO

*

2mL Serum (do not use tubes with separator gel) ° Refrigerated

 Variable TAT ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)

Mevalonate kinase - whole blood

MEVA

*

4mL EDTA whole blood °

 2 to 5 days °

Mevalonic acid - urine

MEVAL *

10mL Early morning urine ° FROZEN

 4 weeks ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
Sample to be frozen within 1 hour. Home sampling is not advisable.
Sample during attack.

 T9 : Urine flasks 70 ml

Mianserin - Serum

MIAN *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Microalbumin - urine

MALB

1tube(s) 24 hour urine or random urine ° Refrigerated

 1 day ° Immuno turbidimetry

 Specify diuresis

 Tube for urine sample (4mL)-T28

Microsatellite instability

MICSA *

[To be translated] ° Ambient temperature

 3 weeks ° PCR

 Use the specific request form B9-INTGB: Oncology-Solid tumors
The use of the S25UK transport bag is Mandatory.
Attach the anatomopathological report

 S25 : Envelope Genetics and Molecular Oncology

Microscopy examination direct - stool

MICRS

20g Stool sample ° Refrigerated

 3 days °

 Enclose the specific clinical information form (R29-INTGB : Functional Coprology)

Midazolam - Serum

MIDAZ *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° HPLC - High Performance Liquid Chromatography / DAD

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Milnacipran - Serum

MILNA *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography / UV detection

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
Sample to be frozen within 1 hour. Home sampling is not advisable.

Minocycline - Serum

MINO *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° Microbiological method

 Enclose the specific clinical information form (R18-INTGB : Infectious agents)

Mirtazapine - serum

MIRTA

2mL Serum (do not use tubes with separator gel) ° FROZEN

 9 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration
The following examinations can be performed on the same sample: Citalopram; Duloxetine; Fluoxetine; Fluvoxamine; Mirtazapine; Paroxetine; Sertraline; Venlafaxine.

Mitotane - plasma

MITH *

2mL Heparin Plasma ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
Sample to be frozen within 1 hour. Home sampling is not advisable.

MLL-AF4 (MLL-AFF1) quantitative PCR - whole blood

MLLAF *

5mL EDTA whole blood ° Ambient temperature

 30 days ° PCR

Moclobemide - Serum

MOCL *

1mL Serum (do not use tubes with separator gel) ° Refrigerated

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)

Molecular panel acute leukemia - whole blood

BMLEA *

5mL EDTA whole blood ° Ambient temperature

 30 days °

 Enclose the specific B12-INTGB request form: Molecular Genetics

Molybdenum - plasma

MOLYP *

2mL Heparin Plasma ° Refrigerated

 2 weeks ° Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

Molybdenum - urine

MOLYU *

2mL urine sample ° Refrigerated

 2 weeks ° Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

 T9 : Urine flasks 70 ml

Moxifloxacin - Serum

MOXIF *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° HPLC - High Performance Liquid Chromatography

 Centrifuge the sample and decant rapidly
Specify the drug intake prescription, sample time and drug intake time: "peak" level (at the end of the perfusion or 2 hours after intake per os)
1 individual aliquot for this analysis.

MPN-Diagnosis 2 NGS panel(Myeloproliferative neoplasms) : JAK2/CALR/MPL/CSF3R/SETBP1/SRSF2**MYSD2**

2 x 5 ml EDTA whole blood or 2 ml EDTA bone marrow or DNA extracted : (200ng of DNA minimum) ° Ambient temperature



- This analysis is replaced by the MYSDG analysis
- S9L: Envelopes yellow for karyotypes LYON

MPN-Diagnosis-(DG) NGS panel(Myeloproliferative neoplasms) JAK2/CALR/MPL/CSF3R/SETBP1/SRSF2/SF3B1**MYSDG**

2 x 5 ml EDTA whole blood or 2 ml EDTA bone marrow or DNA extracted : (200ng of DNA minimum) ° Ambient temperature



10 days ° Search for mutations on a panel of targeted genes by high-throughput sequencing technique: Preparation of the



- Sample must be refrigerated if transport is > 48 hours
- Samples to be collected from Monday to Wednesday
- Use the specific request form B8-INTGB: Malignant blood disorders
- Attach:
 - the results of the FBC - platelets
 - the myelogram report



S9L: Envelopes yellow for karyotypes LYON

MUC1 Nephropathie - whole blood**MUC1**

5mL EDTA whole blood ° Ambient temperature



1 month ° SnapShot



- According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
- Sample must be refrigerated if transport is > 48 hours
- Enclose the specific B12-INTGB request form: Molecular Genetics
- Attach the clinical data

Mucopolysaccharides - urines**MPSU**

*

30mL 24hr or random urine sample (child) ° FROZEN



4 weeks °



- Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
- T9 : Urine flasks 70 ml

Multiplex-Aberration screening 28 Markers (AML, ALL, CML) - whole blood**SC28M**

*

5mL EDTA whole blood ° Ambient temperature



30 days ° mDX® Hemavision® System, realtime RT-PCR

Mumps - direct diagnosis - PCR

OREBM

Nasopharynx, saliva 0.5 ml (minimum) CSF: FROZEN ° Refrigerated

 3 days ° RT - PCR in real time

 The use of the S14UK transport bag is Mandatory. other biological samples must not be diluted, to be sent in a plain tube
Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Mumps - IgG/IgM serology - serum

ORE

1mL Serum ° Refrigerated

 2 days ° Chemiluminescence

 Storage temperature (2-8°C) < 7 days during transport of specimen.

Mumps - IgG serology - serum

OREG

1mL Serum ° Refrigerated

 2 days ° Chemiluminescence

 Storage temperature (2-8°C) < 7 days during transport of specimen.

Mycobacteria - culture

BKDEF

[Indéfinie] Expectoration (3 consecutive days), BAL, Bronchial aspiration, pulmonary sample, pleural fluid, synovial fluid, ascite fluid, gastric fluid, Gastric intubation, Pericardic fluid : 5 mL

Urine: 50 mL of morning urine (3 consecutive days)

CSF: 1 mL

Stool: 20 g

Biopsies, swabbing: 2 swabs, do not add fluid.

Pus or abscess : 2ml or swab, do not add fluid.

Citrated whole blood : 10mL

Bone marrow ° Refrigerated

 6 weeks (final result). All positive results are released the same day ° Liquid medium and solid medium

 Always specify the sample type
Enclose the specific clinical information form (R12-INTGB : Mycobacteria)
The use of the S14UK transport bag is Mandatory.

 S14: Special mycobacteria transport bags are to be used

Mycobacteria - direct examination

BKDIR

[Indéfinie] Expectoration (3 consecutive days)

, BAL

, Bronchial aspiration

, pulmonary sample

, pleural fluid, synovial fluid, ascite fluid, gastric fluid, Gastric intubation

Pericardic fluid : 5 mL

Urine: 50 mL of morning urine (3 consecutive days)

CSF: 1 mL

Stool: 20 g

Biopsies, swabbing: 2 swabs, do not add fluid.

Pus or abscess : 2ml or swab, do not add fluid. ° Refrigerated



1 day for respiratory, CSF, biopsy, stool samples. 2 days for urine samples ° Auramine and Ziehl stain



Enclose the specific clinical information form (R12-INTGB : Mycobacteria)
The use of the S14UK transport bag is Mandatory.



S14: Special mycobacteria transport bags are to be used

Mycobacteria - identification

BKAT

Isolated strain on solid or in liquid medium (triple packing) ° Ambient temperature



2 to 5 days ° Molecular biology



Always specify the sample type
Enclose the specific clinical information form (R12-INTGB : Mycobacteria)
Specify the inoculation date



S10: Diagnobox (three layers of sealed packaging)

Mycobacteria - PCR detection of mutations associated with resistance to isoniazid, ethionamide, fluoroquinolones and second-line injectable antibiotics (aminosides)

BKXDR

Lung samples, puncture fluid, lymph node, biopsies, urine (50 mL), CSF (1 mL)

Positive cultures for M. tuberculosis complex in BBL MGIT ° Refrigerated



2 days ° Real time PCR



Blood samples taken from heparinised tubes are not accepted.
Notion of presence of Mycobacterium tuberculosis complex (PCR or culture positive) to be transmitted obligatorily



#VAEURMULTI

Mycobacteria - PCR detection of rifampicin and isoniazid resistance in M.tuberculosis complex

BKRES

Isolated strain on solid or in liquid medium (triple packing) ° Ambient temperature



3 days ° Molecular biology



Enclose the specific clinical information form (R12-INTGB : Mycobacteria)



S10: Diagnobox (three layers of sealed packaging)

Mycobacteria - PCR M. tuberculosis complex (BKBM)

BKBM

Pulmonary, tissue or puncture fluid sample

Urine (30 ml), CSF (1 ml), EDTA whole blood(1mL), Bone marrow, expectorations (Sputum). ° Refrigerated

 2 days ° Molecular biology

 Enclose the specific clinical information form (R12-INTGB : Mycobacteria)
The use of the S14UK transport bag is Mandatory.

 S14: Special mycobacteria transport bags are to be used

Mycobacteria - susceptibility testing

ABMA

Isolated strain on solid or in liquid medium (triple packing) ° Ambient temperature

 20 days ° Liquid medium or solid medium

 Enclose the specific clinical information form (R12-INTGB : Mycobacteria)
Specify the identification if known

 S10: Diagnobox (three layers of sealed packaging)

Mycobacterium tuberculosis - identification

IDMA

Isolated strain on solid or in liquid medium (triple packing) ° Ambient temperature

 1 to 5 days ° Molecular biology

 Always specify the sample type
Enclose the specific clinical information form (R12-INTGB : Mycobacteria)
Specify the inoculation date

 S10: Diagnobox (three layers of sealed packaging)

Mycophenolate - plasma

MPHEN

2mL EDTA Plasma ° Refrigerated

 2 days ° Chemistry - Spectrophotometry

 Mandatory clinical information sheet :
- R13: for unic drug level assesment
- R31: for Calculations of AUC under the curve (AUC). R31 Form MUST accompany one or several files. It must be completed entirely.
The calculation of the area under the curve (AUC) is used for the therapeutic adjustment of CELLCEPT mycophenolate: kinetics of CELLCEPT over several sampling times after taking the drug must be performed.

Each assay is the subject of a separate file in which the dates and times of sampling and setting must be well documented to identify the different times T0, T20, T30, T60, T120, T180.

The times required depending on the clinical context and prescription are indicated in the table attached with form R31:

The different mycophenolate level records at a precised time are reported separately and an AUC calculation is added.

Refer to the table

Mycoplasma genitalium - Detection by molecular amplification

MYCBM

Sample on Aptima collection kit (Hologic): Kit K11 : cervical, urethral, vaginal, conjunctival swab, biopsy, IUD. For liquid samples (200 µL minimum): sperm, Douglas pouch fluid, Bartollin fluid, peritoneal fluid
Kit K14: self-sampling (vaginal), samples and self-sampling (anal,pharyngeal) - Kit K12 : first morning urines at ambient temperature ° Ambient temperature

 3 days ° Molecular biology

-  K11: Aptima Unisex Swab Collection Kit for endocervical and urethral swabs
- K12: Aptima Urine Collection Kit for urine samples
- If APTIMA K12 medium is not available: Send a sterile urine jar without additives.
- PROHIBIT jars with integrated transfer needle or cannula.
- K14: Aptima Multi-Test Swab Collection Kit for vaginal and self-collection of vaginal, anal and pharyngeal samples.
- Do not use K1 KITS (NEST medium)

Mycoplasma genitalium Search for mutations associated with macrolide resistance

RMGEN

1mL Urine, Vaginal swab, Self-swab, Endocervix, Urethra,rectal Throat, pharynx, semen ° 15 days at room temperature or refrigerated

 10 days ° PCR

-  K11: Aptima Unisex Swab Collection Kit for endocervical and urethral swabs
- K12: Aptima Urine Collection Kit for urine samples
- If APTIMA K12 medium is not available: Send a sterile urine jar without additives.
- PROHIBIT jars with integrated transfer needle or cannula.
- K14: Aptima Multi-Test Swab Collection Kit for vaginal and self-collection of vaginal, anal and pharyngeal samples.
- Avoid pots with integrated needles or transfer cannulas
- Banning NEST environments

Mycoplasma pneumoniae - direct diagnosis - PCR

MYPBM

Nasopharynx, bronchial secretions, BAL, sputum, biopsy (lung, vascular or cardiac), pericardial fluid, joint fluid, CSF (0.5 mL minimum) ° Refrigerated

 3 days ° Real-time PCR

-  The use of the S14UK transport bag is Mandatory. other biological samples must not be diluted, to be sent in a plain tube
- Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Mycoplasma pneumoniae - IgG serology - serum

MYCPN

1mL Serum ° Refrigerated

 3 days ° Chemiluminescence

-  For children, Mycoplasma pneumoniae IgM serology will be automatically performed.

Mycoplasma pneumoniae - IgM serology - serum

MYCOM

1mL Serum ° Refrigerated

 3 days ° Chemiluminescence

 Storage temperature (2-8°C) < 7 days during transport of specimen.

MYD88 mutation

MYD88 *

5 ml EDTA whole blood or bone marrow ° Ambient temperature

 1 month ° RT - PCR

 Attach:
- the results of the FBC - platelets
- the immunophenotyping report
Sample must be refrigerated if transport is > 48 hours
Use the specific request form B8-INTGB: Malignant blood disorders

Myelogram

MYELO

6 Unfixed and unstained bone marrow slides ° Ambient temperature

 2 days ° Cytology

 Use the specific request form B8-INTGB: Malignant blood disorders
Always attached the last FBC and platelets levels results as well as the patient's clinical details (clinical symptoms and reason for test prescription)
According to the standard staining results, supplementary staining procedures may be performed: PERLS and CYTOCHEMISTRY.
 S9L: Envelopes yellow for karyotypes LYON

Myelogram - Perls staining

PERLS

2 Unfixed and unstained bone marrow slides ° Ambient temperature

 4 days °

 ALWAYS attach the results of the blood count
 T25 : Slide cases (blood film or bone marrow analysis)

Myoglobin - serum

MYOG

1mL Serum ° Refrigerated

 1 day ° ECLIA

Myoglobin - urine

MYOGU *

1tube(s) 24hr or random urine sample ° FREEZE

 4 days ° Electrochemiluminescence

 Specify diuresis

 Tube for urine sample (4mL)-T28

Myosite Markers - serum

SYNTH

1mL Serum ° Refrigerated

 3 days ° Immunodot

Naphtols (alpha and beta) - urine

NAPHT *

15mL urine sample ° Refrigerated

 2 weeks ° Liquid Phase Chromatography / Fluorimetry

 Collect the sample on a plastic container

 T9 : Urine flasks 70 ml

Naropeine - serum

NARO *

2mL Serum ° Refrigerated

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)

NASH-FibroTest - serum

NASHT

3mL Non haemolysed serum ° FROZEN

 5 days ° Biochemistry

 Centrifuge the sample and decant rapidly
Fasting sample

[Indéfinie] Sample on Aptima collection kit (Hologic): Kit K11 : cervical, urethral, vaginal, conjonctival swab, biopsy, IUD. For liquid samples (200 µL minimum): sperm, Douglas pouch fluid, Bartollin fluid, peritoneal fluid
 Kit K14: self-sampling (vaginal), samples and self-sampling (anal,pharyngeal) - Kit K12 : first morning urines at ambient temperature ° Ambient temperature

 3 days ° Molecular biology

-  K11: Kit for Chlamydia trachomatis and/ or Neisseria gonorrhoeae APTIMA for urethral and endocervical samples
 K12: Kit Chamydia trachomatis and/or Neisseria gonorrhoeae APTIMA pour urine samples:
 In the absence of APTIMA K12 medium: Send a sterile urine container without additive.
 REQUIRE jars to be fitted with an integrated transfer needle or cannula.
 K14: Kit Chlamydia trachomatis and/or Neisseria gonorrhoeae APTIMA for self sampling (vaginal, anal and pharyngeal).
 Kit K11: Only the blue tipped collection swab should be placed in the APTIMA medium. Carefully cut the swab tip at the cutting line before closing the swab sample transport tube (airtight). Kit K12: the urine should be transferred into the urine APTIMA specimen transport in less than 24 hours (2 mL). Biopsy samples should place immediately into a K11 APTIMA or an M4RT transport medium.
 Do not use K1 KITS (NEST medium)

Neopterin - CSF

NEOPL *

1mL CSF ° FROZEN

 3 weeks ° Radioimmunoassay

-  Sample to be frozen within 1 hour. Home sampling is not advisable.

Neopterin - plasma

NEOP *

1mL Lithium heparin plasma ° FROZEN

 1 month ° Radioimmunoassay

-  Sample to be frozen within 1 hour. Home sampling is not advisable.

Neopterin - urine

NEOPU *

20mL Early morning urine ° FROZEN

 60 days ° Radioimmunoassay

-  Sample to be frozen within 1 hour. Home sampling is not advisable.

 T9 : Urine flasks 70 ml

Nephrology exome

EXONP

5mL EDTA whole blood (tube completely filled). 1 extracted DNA tube (minimum volume 50µL with a minimum quantity of 1µg/500ng for the prenatal) ° Ambient temperature

 4 weeks for the interpreted exome excluding confirmatory analyses and 2 weeks to make the data available in seqone for

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Trio whole exome sequencing assay requires an EDTA whole blood sample for each parent (mother and father)
If the sample is transported at room temperature, the sample must reach our facility within 4 days. in case of longer transport time, please send the sample in refrigerated condition.
Please inform us when an urgent or prenatal exome is expected.
Please see the specific form N34- Whole exome sequencing
Please attach the specific request form B34-INTGB Exome analysis

 K34 : Kit Exome

Nesdonal - Serum

NESDO *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography / DAD

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2, EPAS1, FH, GOT2, LZTR1, MAX, MDH2, MEN1, MERTK, MET, NF1, NF2, RET, SDHA, SDHAF2, SDHB, SDHC, SDHD, SLC25A11, SMARCB1, TMEM127, TP53, TSC1, TSC2, VHL

EONEN

5mL 1 x 5 mL Whole blood EDTA (1 full tube) or 1 extracted DNA tube (minimum volume 50µL with a minimum quantity of 1µg) °

 4 weeks for the interpreted panel - excluding confirmatory analysis ° Lib Twist, Seq Illumina 2x150 Novaseq 6000. Perf: #

 These tests should be prescribed during a dedicated consultation by an oncogeneticist, a genetic counsellor in conjunction with an oncogenetic team or a specialist doctor with oncogenetic skills.
According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
If the sample is transported at room temperature, the sample must reach our facility within 4 days. in case of longer transport time, please send the sample in refrigerated condition.
In case of urgent collection, please inform us when sending.
Use the B67 application form

Neutralizing anti Interferon BETA antibodies - Serum

INFBA *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 month ° Quantification was performed using neutralising antibody chemiluminescence expressed in TRU/ml (ten-fold

 Attach the clinical data

3mL EDTA Plasma ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography

 Sample at TO (before intake) T4H (after intake)
Enclose the specific clinical information form (R6-INTGB :
Anti retroviral treatment)

NGS "COLORECTAL 1" panel: KRAS, NRAS, BRAF

COLO1

Tumoral block included in paraffin or slides (6 slides 5µm) or DNA extract ° Ambient temperature

 10 days (Results may require an extended turnaround time, one week, depending on the confirmation tests required by Sanger)

 Use the specific request form B9-INTGB: Oncology-Solid tumors
The use of the S25UK transport bag is Mandatory.
Attach the anatomopathological report

 S25 : Envelope Genetics and Molecular Oncology

NGS "COLORECTAL 2" panel : AKT1, ALK, BRAF, CTNNB1, EGFR, HER2, FBXW7, FGFR1, FGFR2, FGFR3, KIT, KRAS, MAP2K1, MET, NRAS, PDGFRA, PIK3CA, PTEN, SMAD4, STK11, TP53

COLO2

Tumoral block included in paraffin or slides (6 slides 5µm) or DNA extract ° Ambient temperature

 10 days (Results may require an extended turnaround time, one week, depending on the confirmation tests required by Sanger)

 Use the specific request form B9-INTGB: Oncology-Solid tumors
The use of the S25UK transport bag is Mandatory.
Attach the anatomopathological report

 S25 : Envelope Genetics and Molecular Oncology

NGS "GIST " panel : KIT, PDGFRA, BRAF

GIST

Tumoral block included in paraffin or slides (6 slides 5µm) or DNA extract ° Ambient temperature

 10 days (Results may require an extended turnaround time, one week, depending on the confirmation tests required by Sanger)

 Use the specific request form B9-INTGB: Oncology-Solid tumors
The use of the S25UK transport bag is Mandatory.
Attach the anatomopathological report

 S25 : Envelope Genetics and Molecular Oncology

NGS "LUNG1" panel: AKT1, ALK, BRAF, DDR2, EGFR, HER2, FGFR1, FGFR2, FGFR3, KIT, KRAS, MAP2K1, MET, NRAS, PDGFRA, PIK3CA, PTEN, STK11, TP53

POUM2

Tumoral block included in paraffin or slides (6 slides 5µm) or DNA extract ° Ambient temperature

 10 days (Results may require an extended turnaround time, one week, depending on the confirmation tests required by Sanger)

 Use the specific request form B9-INTGB: Oncology-Solid tumors
The use of the S25UK transport bag is Mandatory.
Attach the anatomopathological report

 S25 : Envelope Genetics and Molecular Oncology

NGS "Melanoma" panel: BRAF, NRAS, KIT**MELA**

Tumoral block included in paraffin or slides (6 slides 5µm) or DNA extract ° Ambient temperature

10 days (Results may require an extended turnaround time, one week, depending on the confirmation tests required by Sanger)



Use the specific request form B9-INTGB: Oncology-Solid tumors
The use of the S25UK transport bag is Mandatory.
Attach the anatomopathological report



S25 : Envelope Genetics and Molecular Oncology

NGS Panel "LUNG 1" : EGFR-BRAF-MET-KRAS**POUM1**

Tumoral block included in paraffin or slides (6 slides 5µm) or DNA extract ° Ambient temperature

10 days (Results may require an extended turnaround time, one week, depending on the confirmation tests required by Sanger)



Use the specific request form B9-INTGB: Oncology-Solid tumors
The use of the S25UK transport bag is Mandatory.
Attach the anatomopathological report



S25 : Envelope Genetics and Molecular Oncology

NGS panel "MPN - DP (Diagnosis/Pronostic)"**MYS DP**

2 x 5 ml EDTA whole blood or 2 ml EDTA bone marrow or DNA extracted : (200ng of DNA minimum) ° Ambient temperature

10 days (Results may require an extended turnaround time, one week, depending on the confirmation tests required by Sanger)



Sample must be refrigerated if transport is > 48 hours
Samples to be collected from Monday to Wednesday
Use the specific request form B8-INTGB: Malignant blood disorders
Attach:
- the results of the FBC - platelets
- the myelogram report



S9L: Envelopes yellow for karyotypes LYON

NGS "PAN ORGANE" panel: AKT1, ALK, BRAF, CTNNB1, DDR2, EGFR, ERBB2, ERBB4, FBXW7, FGFR1, FGFR2, FGFR3, KIT, KRAS, MAP2K1, MET, NOTCH1, NRAS, PDGFRA, PIK3CA, PTEN, SMAD4, STK11, TP53**PAN**

Tumoral block included in paraffin or slides (6 slides 5µm) or DNA extract ° Ambient temperature

10 days (Results may require an extended turnaround time, one week, depending on the confirmation tests required by Sanger)



Use the specific request form B9-INTGB: Oncology-Solid tumors
The use of the S25UK transport bag is Mandatory.
Attach the anatomopathological report



S25 : Envelope Genetics and Molecular Oncology

Niaprazine - serum

NIAPR *

1mL Serum ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography / DAD

-  Do not use tubes with phase separator
1 individual aliquot for this analysis.
In accordance with the regulation, all requests must ALWAYS contain:
- the sampling date and time, the date and time of the last dose
 - the reasons for the prescription (efficiency and/or toxicity test)
 - the treatment start date and/or the date of any change of dosage
 - the subject's age, height and weight, when possible
 - the dosage data (quantity administered, frequency, administration route)
 - the medical follow-up sheet

Nickel - biological fluid

NID *

2mL Biological fluid ° Refrigerated

 2 weeks ° Atomic absorption

Nickel - Serum

NI *

3mL Serum (do not use tubes with separator gel) ° Refrigerated

 20 days ° ICP/MS

Nickel - urines

NIU *

10mL End of shift urine ° Refrigerated

 15 days ° ICP/MS

-  Collect the sample at the end or at the beginning of a shift
-  T9 : Urine flasks 70 ml

Ninalia 3 (T13 T18 T21)

NINA3

10mL Whole blood Streck (complete filling of the tube is required) ° Ambient temperature

 5 business days (Monday to Friday upon receipt at Eurofins Biomnis) ° New generation sequencing

-  Enclose the specific B39-INTGB request form : DPNI
Sample must be forwarded to Eurofins Biomnis within 5 days maximum
Straight away after blood draw, mix blood by gentle inversion (10 times minimum)
ALWAYS attach the specific information form, the 1st trimester ultrasound report, the consent form dated and signed by the clinician and the patient.

Ninalia 5 (T13 T18 T21, Fetal gender and sex chromosomes aneuploidies)

NINA5

10mL Whole blood Streck (complete filling of the tube is required) ° Ambient temperature

 5 business days (Monday to Friday upon receipt at Eurofins Biomnis) ° New generation sequencing

 Enclose the specific B39-INTGB request form : DPNI
Sample must be forwarded to Eurofins Biomnis within 5 days maximum
Straight away after blood draw, mix blood by gentle inversion (10 times minimum)
ALWAYS attach the specific information form, the 1st trimester ultrasound report, the consent form dated and signed by the clinician and the patient.

Nitrazepam - Serum

NITRA *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

N-Methylacetamide - urine

NMAC *

10 urine sample ° Refrigerated

 2 weeks ° Gas Phase Chromatography / NPD

 Sample at end of work shift
 T9 : Urine flasks 70 ml

N-Methylformamide - urine

NMF *

10mL urine sample ° Refrigerated

 2 weeks ° Gas Phase Chromatography / NPD

 Collect the sample on a plastic container
Sample at end of work shift
 T9 : Urine flasks 70 ml

Non tuberculosis mycobacteria - PCR detection of macrolide and aminoglycoside resistance

NTMDR

Isolated strain on solid or in liquid medium (triple packing) ° Ambient temperature

 3 days ° PCR - GenoType® NTM-DR (Hain)

 Enclose the specific clinical information form (R12-INTGB : Mycobacteria)
 S10: Diagnobox (three layers of sealed packaging)

Nordazepam - Serum

NORDA *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° HPLC - High Performance Liquid Chromatography / DAD

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Norovirus - direct diagnosis - PCR - Stools

NORBM

Stools ° Refrigerated

 3 days ° PCR

 The use of the S14UK transport bag is Mandatory.
 S14: Special mycobacteria transport bags are to be used

Norovirus - screening - Stools

NOROS

500mg Stools ° Refrigerated

 1 day ° Immuno chromatography

 Sample must be received and processed by Biomnis within 5 days of collection.
The use of the S14UK transport bag is Mandatory.
 S14: Special mycobacteria transport bags are to be used

NPM1 mutation - whole blood

NPM1 *

5mL EDTA whole blood ° Ambient temperature

 30 days °

NSE - Neuron-Specific Enolase - biological fluid

NSED

1mL Biological fluid ° FROZEN

 1 day ° Electrochemiluminescence

 Not to be performed on haemolysed sample
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

NSE - Neuron-Specific Enolase - serum

NSE

1mL Non haemolysed serum ° FROZEN

 1 day ° Electrochemiluminescence

-  Sample to be frozen within 1 hour. Home sampling is not advisable.
Centrifuge and settle within one hour following sampling
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.
Separator gel tubes must be centrifuged and the supernatant must be decanted before the freezing step

NT-proBNP - N-Terminal Pro-Brain Natriuretic Peptide - serum

PRBNP

1mL Serum ° Refrigerated

 1 day ° Electrochemiluminescence

-  ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

NTx - N-telopeptides of type I collagen - urines

NTX

2tube(s) 1st or 2nd Early morning urine ° FROZEN

 2 weeks ° Enzyme-immunoassay

-  Fasting sample
The urine creatinine level, essential information for the result interpretation, is systematically performed
The urinary creatinine will be tested systematically on the same sample (SFBC recommendations). The sampling method chosen must be retained in repeat prescriptions
-  Tube for urine sample (4mL)-T28

Nutritional protein profile - serum

PPN

2mL Serum ° FROZEN

 2 days ° Immuno turbidimetry

-  ALWAYS specify the patient's age and gender
This analysis includes: prealbumin, albumin, orosomucoid

nutritional proteins profile with PINI index - serum

PINI

2mL Serum ° FROZEN

 1 day ° Immuno turbidimetry

-  ALWAYS specify the age and sex. This analysis includes: prealbumin, albumin, orosomucoid, CRP

Nutritol - IgG food panel - 100 foods - serum**PA100**

3mL Serum ° Refrigerated

 3 weeks ° ELISA

Nutritol - IgG food panel - 25 foods - serum**PAG25**

3mL Serum ° Refrigerated

 3 weeks ° ELISA

Nutritol - IgG food panel - 50 foods - serum**PAG50**

3mL Serum ° Refrigerated

 3 weeks ° ELISA

Nutritol - IgG food panel - 50 foods VEGAN - serum**PA50V**

3mL Serum ° Refrigerated

 21 days ° ELISA

Nuts panel - specific IgE**PANFC**

2mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay - Phadia-ThermoFisher Scientific Use the specific request form B62: allergological panel

o-Cresol - urine**CRESO** *

10mL urine sample ° Refrigerated

 2 weeks ° Gas Phase Chromatography / Mass Spectrometry (GC-MS) Collect the sample on a plastic container
Sample at end of work shift T9 : Urine flasks 70 ml

Oestradiol - man/child - serum

E2EH

1mL Serum ° Refrigerated

 3 days ° Radioimmunoassay

 Always confirm if patient is under Fulvestrant treatment

Oestradiol - saliva

E2SA

0.5mL Saliva ° FROZEN

 1 month ° ELISA

 SPECIAL OR DELICATE SAMPLE: the kit used to collect and transport the saliva sample is called a "Salivette". It is available upon request. Before sampling, the patient must observe a time of at least 30 minutes without consuming food or acidic beverages. It is very important not to contaminate the saliva sample with blood, therefore, it is necessary to avoid brushing teeth before collection. The collection protocol is described in the package insert accompanying the sampling kit.

 K5: Sample kit-Saliva

Oestradiol - woman - serum

E2F

2mL Serum ° Refrigerated

 3 days ° Radioimmunoassay

Oestrone - serum

E1CH

1mL Serum ° Refrigerated

 2 weeks ° Radioimmunoassay

Ofloxacin - Serum

OFLO

*

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography

 Centrifuge the sample and decant rapidly
Enclose the specific clinical information form (R13-INTGB : Medication quantification)
Specify the drug intake prescription, sample time and drug intake time: "peak" level (at the end of the perfusion or 2 hours after intake per os)
1 individual aliquot for this analysis.

2mL lithium heparin plasma (do not use tubes with separator gel) ° Refrigerated



1 week ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)



Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration
The following examinations can be performed on the same sample: Aripiprazole; Clozapine; Haloperidol; olanzapine; Quétiapine; Risperidone.

Oligosaccharides - screening - urine

OLIGU *

[Indéfinie] Urine ° FROZEN



3 weeks °



Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
Freeze the sample within 1 hour after sampling



T9 : Urine flasks 70 ml

Oncogenetic exome

EXONC

5mL EDTA whole blood (tube completely filled). 1 extracted DNA tube (minimum volume 50µL with a minimum quantity of 1µg/500ng for the prenatal) ° Ambient temperature



4 weeks for the interpreted exome excluding confirmatory analyses and 2 weeks to make the data available in seqone for



According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Trio whole exome sequencing assay requires an EDTA whole blood sample for each parent (mother and father)
If the sample is transported at room temperature, the sample must reach our facility within 4 days. in case of longer transport time, please send the sample in refrigerated condition.
Please inform us when an urgent or prenatal exome is expected.
Please see the specific form N34- Whole exome sequencing
Use the B67 application form



K34 : Kit Exome

Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM, MLH1, MSH2, MSH6, MUTYH, PMS2, POLD1, POLE, PTEN, SMAD4, STK11

EODIG

5mL 1 x 5 mL Whole blood EDTA (1 full tube) or 1 extracted DNA tube (minimum volume 50µL with a minimum quantity of 1µg) °

 4 weeks for the interpreted panel - excluding confirmatory analysis ° Lib Twist, Seq Illumina 2x150 Novaseq 6000. Perf: #

 These tests should be prescribed during a dedicated consultation by an oncogeneticist, a genetic counsellor in conjunction with an oncogenetic team or a specialist doctor with oncogenetic skills.
According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
If the sample is transported at room temperature, the sample must reach our facility within 4 days. in case of longer transport time, please send the sample in refrigerated condition.
In case of urgent collection, please inform us when sending.
Use the B67 application form

Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A, CHEK2, EGFR, ERBB2, MET, NBN, PRKN, RTEL1, STN1, TP53, VHL

EOPOU

5mL 1 x 5 mL Whole blood EDTA (1 full tube) or 1 extracted DNA tube (minimum volume 50µL with a minimum quantity of 1µg) °

 4 weeks for the interpreted panel - excluding confirmatory analysis ° Lib Twist, Seq Illumina 2x150 Novaseq 6000. Perf: #

 These tests should be prescribed during a dedicated consultation by an oncogeneticist, a genetic counsellor in conjunction with an oncogenetic team or a specialist doctor with oncogenetic skills.
According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
If the sample is transported at room temperature, the sample must reach our facility within 4 days. in case of longer transport time, please send the sample in refrigerated condition.
In case of urgent collection, please inform us when sending.
Use the B67 application form

 K34 : Kit Exome

Opiates - biological fluid

OPID *

2mL Biological fluid ° Refrigerated

 1 week ° Liquid Phase Chromatography / Mass Spectrometry (LC-MS)

 [To be translated]

Opiates confirmation - blood test

OPIS

1mL Fluor plasma in first intention. Lithium heparin plasma accepted. Do not use separator gel. ° Refrigerated

 10 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Spin down and immediately decant plasma from cells. Immediately decant the plasma.(maximum 1 hour)
[To be translated]

Opiates - confirmation - urine

OPIC *

1tube(s) Random urine ° Refrigerated

 2 weeks ° LCMS

 [To be translated]

 Tube for urine sample (4mL)-T28

Opiates - screening - urine

OPI

1tube(s) Random urine ° Refrigerated

 2 days ° Kinetic interaction of microparticules in solution (KIMS)

 [To be translated]

 Tube for urine sample (4mL)-T28

Oral anticoagulants : Fluindione - Serum

FLUIN *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography / DAD

Oral anticoagulants : Rodenticides - Serum

AVK *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography / DAD

 1 individual aliquot for this analysis.

Oral anticoagulants : Warfarin - Serum

WARFA *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography / DAD

 1 individual aliquot for this analysis.

Organic acids - quantitative - urine

ORGU

2tube(s) Early morning urine (fasting) ° FROZEN

 1 month ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 Enclose the specific clinical information form (R1-INTGB : Amino Acids - Organic Acids)
The urine creatinine level, essential information for the result interpretation, is systematically performed
Freeze the sample within 1 hour after sampling
Forward preferably urination during an acute episode.

 Tube for urine sample (4mL)-T28

Orosomuroid - serum

ORO

1mL Serum ° FROZEN

 2 days ° Immuno turbidimetry

 ALWAYS specify the patient's age and gender

Orotic acid - urines

OROUX *

10mL Urines ° Refrigerated

 4 weeks °

Osmolarity - serum

OSM

1mL Serum ° Refrigerated

 2 days ° Cryoscopy

Osmolarity - urines

OSMU

1tube(s) 24hr or random urine (unacidified - no preservatives) ° Refrigerated

 2 days ° Cryoscopy

 Tube for urine sample (4mL)-T28

Osteocalcin - serum

OSTEO

1mL Non haemolysed serum ° FROZEN

 1 day ° Electrochemiluminescence

 Gel tubes must be decanted before referral in order to avoid haemolysis at the defrosting stage.
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Oxacillin - Serum

OXAC *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° Microbiological method

 Centrifuge the sample and decant rapidly
Enclose the specific clinical information form (R18-INTGB : Infectious agents)

Oxalic acid - serum

OXA *

3mL Serum ° FROZEN

 1 month ° Chemistry - Spectrophotometry

-  Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
Sample in a fasting state (for infants, draw sample 3-4 hours after bottle)
Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.

Oxalic acid - urine

OXAU

2tube(s) Acidified 24 hr urine (pH 2-3) ° Refrigerated

 5 days ° Spectrophotometry or ionic chromatography

-  The following is essential for the oxalic acid assay:
- 24-hour urine collection, keep refrigerated
 - indication of diuresis volume
 - acidification of urine by the sampling laboratory by adding hydrochloric acid (HCl) to obtain a urinary pH between 2 and 3.

In practice, urine can be acidified as follows:

- homogenise the entire diuresis very vigorously
- take a urine sample volume of 50 mL
- acidify this urine sample with the help of 6N hydrochloric acid
- homogenise the urine well after each addition of HCl before each pH testing
- measure pH with the help of pH paper or a pH meter.

 Tube for urine sample (4mL)-T28

Oxazepam - Serum

OXAZ *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° LCMS

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Oxidised LDL - serum

LDLOX

1mL serum (do not use 10 mL tube) ° FROZEN

 2 weeks ° Enzyme-immunoassay

P1NP - Intact N-Terminal Propeptide of Type I Procollagen - serum

P1NP

1mL Non haemolysed serum ° Refrigerated

 2 days ° Electrochemiluminescence

 **ATTENTION:** interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Paediatric respiratory viruses (RSV / Metapneumovirus / Rhinovirus) - direct diagnosis - PCR

VIRBM

[Indéfinie] Nasopharynx, bronchial secretions, BAL: ° Refrigerated

 3 days ° Real-time PCR

 Also available in monoparametric PCR
Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

PAI1 - Plasminogen activator inhibitor-1 - mutation - whole blood

PAIMY *

5mL EDTA whole blood ° Ambient temperature

 4 weeks °

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Sample must be refrigerated if transport is > 48 hours
Enclose the specific B12-INTGB request form: Molecular Genetics

PAI1 - Plasminogen activator inhibitor-1 - plasma

PAI1

1mL Citrated Plasma ° FROZEN

 2 weeks ° Enzyme-immunoassay

 1 individual aliquot for this analysis.
Preferably withdraw from a tube containing blood platelet stabilizing agents (CTAD).
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4, CDKN2A, EPCAM, MEN1, MLH1, MSH2, MSH6, PALB2, PMS2, STK11, TP53, VHL

EOPAN

5mL 1 x 5 mL Whole blood EDTA (1 full tube) or 1 extracted DNA tube (minimum volume 50µL with a minimum quantity of 1µg) °

 4 weeks for the interpreted panel - excluding confirmatory analysis ° Lib Twist, Seq Illumina 2x150 Novaseq 6000. Perf: #

 These tests should be prescribed during a dedicated consultation by an oncogeneticist, a genetic counsellor in conjunction with an oncogenetic team or a specialist doctor with oncogenetic skills.
According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
If the sample is transported at room temperature, the sample must reach our facility within 4 days. In case of longer transport time, please send the sample in refrigerated condition.
In case of urgent collection, please inform us when sending.
Use the B67 application form

 K34 : Kit Exome

Pancreatic polypeptide - Serum

PPA

1mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° Radioimmunoassay

 Centrifuge quickly at cooled temperature and immediately freeze serum

Panel Cytokine - IL1 beta, IL2, IL4 and IL6 - serum

CYTPA

1mL serum (do not use 10 mL tube) ° FROZEN

 3 weeks ° Chemiluminescence

Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1, BRCA2, CDH1, EPCAM, HOXB13, MLH1, MSH2, MSH6, PALB2, PMS2, PTEN, RAD51C, RAD51D, TP53

EOSOP

5mL 1 x 5 mL Whole blood EDTA (1 full tube) or 1 extracted DNA tube (minimum volume 50µL with a minimum quantity of 1µg) °

 4 weeks for the interpreted panel - excluding confirmatory analysis ° Lib Twist, Seq Illumina 2x150 Novaseq 6000. Perf: #

 These tests should be prescribed during a dedicated consultation by an oncogeneticist, a genetic counsellor in conjunction with an oncogenetic team or a specialist doctor with oncogenetic skills.
According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
If the sample is transported at room temperature, the sample must reach our facility within 4 days. In case of longer transport time, please send the sample in refrigerated condition.
In case of urgent collection, please inform us when sending.
Use the B67 application form

 K34 : Kit Exome

Panel oncogénétique Rétinoblastome Gène ciblé : RB1

CUR10 *

[To be translated] ° Ambient temperature

 3 months °

 [To be translated]
Use the B67 application form

Papillomavirus - HPV Détection and Typing of 19 high-risk HPV and 18 low-risk HPV - PCR

HPVBM

Skin or mucous membrane biopsy, laryngeal sample, Oropharyngeal sample, genital sample (endocervix, ureter) or urine, sperm, anal ° Refrigerated

 1 week ° [To be translated]

 Biopsies should be placed as they are, in a dry tube .
The use of the S14UK transport bag is Mandatory.
All histological fixatives are forbidden.
Put urine in a dry sterile bottle
Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Paragonimiasis - serum

PARAG *

1mL Serum ° Refrigerated

 1 month ° Western-Blot

Parainfluenzae 1, 2, 3 - IgG serology - serum

PINF

1mL serum (do not use 10 mL tube) ° Refrigerated

 15 days ° SERION ELISA classic

Paraquat - Serum

PARAQ *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° HPLC - High Performance Liquid Chromatography / DAD

 1 individual aliquot for this analysis.

Paraquat - urine

PARQU *

20mL urine sample ° Refrigerated

 10 days ° Colorimetry

 T9 : Urine flasks 70 ml

Stools ° Refrigerated

 5 days ° Microscopy

 The use of the S14UK transport bag is Mandatory. Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology
This analysis is carried out in collaboration with the Clermont-Ferrand University Hospital; however, it can be performed in our laboratory.
[To be translated]

 S14: Special mycobacteria transport bags are to be used

Parechovirus - direct diagnosis - PCR

PECBM

Stool, CSF, nasopharynx, bronchial secretions, BAL; cutaneous/mucous membrane, ocular sample ° Refrigerated

 3 days ° Real-time PCR

 The use of the S14UK transport bag is Mandatory. other biological samples must not be diluted, to be sent in a plain tube
Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Paroxetine - serum

PAROX

2mL Serum (do not use tubes with separator gel) ° FROZEN

 9 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
The following examinations can be performed on the same sample: Citalopram; Duloxetine; Fluoxetine; Fluvoxamine; Mirtazapine; Paroxetine; Sertraline; Venlafaxine.

Parvovirus B19 - direct diagnosis - PCR

PARBM

[Indéfinie] Bone marrow (EDTA), liver biopsy, puncture fluid ° Refrigerated

 3 days ° Real-time PCR

 Biopsies should be placed as they are, in a dry tube .
The use of the S14UK transport bag is Mandatory.

 S14: Special mycobacteria transport bags are to be used

Parvovirus B19 - direct diagnosis - PCR - amniotic fluid

PARLA

5mL amniotic fluid ° Refrigerated

 1 week ° Real-time PCR

-  Must include the request form (B3) and the patient's informed consent (D44)
The use of the S14UK transport bag is Mandatory.
Subsequently, please send us the pregnancy monitoring form (R10: monitoring-pregnancy-Infectious agents)

 S14: Special mycobacteria transport bags are to be used

Parvovirus B19 - IgG/IgM serology - serum

PARV

1mL Serum ° Refrigerated

 2 days ° Chemiluminescence

Parvovirus B19 - immunity test - serum

PARVG

1mL Serum ° Refrigerated

 2 days ° Chemiluminescence

-  Storage temperature (2-8°C) < 7 days during transport of specimen.
On specific request

Parvovirus B19 - viral load

PARVQ

2mL EDTA whole blood or blood derivatives (serum/plasma) ° Refrigerated

 3 days ° Real-time PCR

-  The use of the S14UK transport bag is Mandatory.
-  S14: Special mycobacteria transport bags are to be used

PCR

AMIBM

*

[To be translated] ° Refrigerated

 1 week ° Real-time PCR

-  Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology
-  S14: Special mycobacteria transport bags are to be used

PDGFR alpha - exons 12, 14, 18

PDGFR

*

Paraffin-embedded tumor block or paraffin slides ° Ambient temperature

 4 weeks ° PCR + sequencing

-  Attach the anatomopathological report

Pefloxacin - Serum

PEFLO *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° Microbiological method

 Enclose the specific clinical information form (R18-INTGB : Infectious agents)

Perampanel - Serum - PERAMPANEL

PERAM *

1mL Serum (do not use tubes with separator gel) ° FROZEN

 15 days ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

PerFluoroAlkylSubstances (PFAS) - Serum

PFAS *

4mL Serum (do not use tubes with separator gel) ° Refrigerated

 14 days ° LCMS/MS

 Centrifuge within 4 hours
Transfer to a secondary tube before sending

Periciazine - Serum

PERIZ *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Pertussis - serology

COQWB

1mL Serum (non haemolysed, non lactescent) or plasma whatever the sample, no 10 mL tube ° Refrigerated

 7 days ° Enzyme-immunoassay

Pesticides - screening and/or dosage

PESTS *

3mL Serum (avoid tubes with separators) ° FROZEN

 40 days ° Liquid Phase Chromatography / Mass Spectrometry (LC-MS)

 1 individual aliquot for this analysis.

Pesticides - screening and/or dosage - biological fluid

PESTD

*

15mL Biological fluid ° FROZEN

 2 weeks ° Liquid Phase Chromatography / Mass Spectrometry (LC-MS)

Pesticides - screening and/or dosage - urine

PESTU

*

15mL Urine ° FROZEN

 21 days ° Liquid Phase Chromatography / Mass Spectrometry (LC-MS)

 T9 : Urine flasks 70 ml

Phencyclidine - screening - urine

PHEN

1tube(s) urine ° Refrigerated

 2 days ° Kinetic interaction of microparticles in solution (KIMS)

 [To be translated]

 Tube for urine sample (4mL)-T28

Phencyclidine - Serum

PHENS

*

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Phenobarbital - serum

PHENO

1mL Serum ° Refrigerated

 1 day ° Enzyme-immunoassay

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
Always draw blood at the same time before another administration

Phenol - urine

PHENU

*

10mL urine sample ° Refrigerated

 2 weeks ° HPLC - High Performance Liquid Chromatography / UV detection

 Sample at end of work shift

 T9 : Urine flasks 70 ml

Phenothiazines - aspiration biopsy

PHIAD *

2mL Aspiration biopsy ° Refrigerated

 10 days ° HPLC - High Performance Liquid Chromatography

-  In accordance with the regulation, all requests must ALWAYS contain:
- the sampling date and time, the date and time of the last dose
 - the reasons for the prescription (efficiency and/or toxicity test)
 - the treatment start date and/or the date of any change of dosage
 - the subject's age, height and weight, when possible
 - the dosage data (quantity administered, frequency, administration route)
 - the medical follow-up sheet

Phenothiazines - Serum

PTHIA *

2mL Serum (do not use tubes with separator gel) ° Refrigerated

 10 days ° HPLC - High Performance Liquid Chromatography

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)

Phenylalanine

PHEAL

1mL heparinised plasma (do not use tubes with gel separators) ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography

-  Enclose the specific clinical information form (R1-INTGB : Amino Acids - Organic Acids)
- Sample in a fasting state (for infants, draw sample 3-4 hours after bottle)
- Sample to be frozen within 1 hour. Home sampling is not advisable.
- 1 individual aliquot for this analysis.

Phenylalanine - blotting paper

PHEBX *

Guthrie card only ° Ambient temperature

 1 week ° Enzyme-immunoassay

Phenylalanine - urine

PHEAU

2tube(s) Early morning urine (fasting) ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography

-  Enclose the specific clinical information form (R1-INTGB : Amino Acids - Organic Acids)
Fasting sample
Sample to be frozen within 1 hour. Home sampling is not advisable.
The urine creatinine level, essential information for the result interpretation, is systematically performed

 Tube for urine sample (4mL)-T28

Phenylglyoxylic acid - urine

PHEGU *

15mL Random urine ° Refrigerated

 3 weeks ° HPLC - High Performance Liquid Chromatography / UV detection

-  Collect the sample at the end or at the beginning of a shift
Collect the sample on a plastic container

 T9 : Urine flasks 70 ml

Phenytoin - serum

PHENY

1mL Serum ° Refrigerated

 1 day ° Immuno turbidimetry

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
Always draw blood at the same time before another administration

Phosphatidylethanol - whole blood

PHOET *

5mL EDTA whole blood ° Refrigerated

 10 days °

Phosphofructokinase (GSD VII)

PFKM *

Tissue (3mg): Frozen
2 mL EDTA blood : Ambient °

 3 weeks °

Phosphoglucoisomerase

PHISO *

Tissue (3mg): Frozen
2 mL EDTA blood : Ambient °

 3 weeks °

Phosphoglucomutase

PHMUT *

Tissue (3mg): Frozen
2 mL EDTA blood : Ambient °

 3 weeks °

Phospholipids - serum

PLIP *

3mL Serum ° FROZEN

 10 weeks ° Biochemistry

Phosphorus - serum

P

1mL Serum ° Refrigerated

 2 days ° Chemistry - Spectrophotometry

Phosphorus - tubular reabsorption rate

TRP

1 mL Serum + 5 mL of a 2hr acidified urine collection(pH<3) ° Refrigerated

 1 day ° Chemistry - Spectrophotometry

 The calculation of TRP require creatinine and phosphorus assays on serum and urines.
The subject, fasting since the previous evening, empties his/her bladder at 8 a.m. and consumes 250 mL of water. Collect the urine eliminated from 8 to 10 a.m.

Phosphorus - urine

PU24

1tube(s) acidified 24-hour urine (pH < 3) ° Refrigerated

 1 day ° Chemistry - Spectrophotometry

 Urine acidified with HCl
Specify diuresis
 Tube for urine sample (4mL)-T28

Phosphorylase kinase (GSD VIa, XIII, IX, X)

PHKA *

Tissue (3mg): Frozen
2 mL EDTA blood : Ambient °

 3 weeks °

Phosphorylases (GSD V and VI)

PYGLM *

Tissue (3mg): Frozen
2 mL EDTA blood : Ambient °

 3 weeks °

pH - stool

PHS

20g Stool sample ° Refrigerated

 7 days ° Chemistry - Spectrophotometry

 Enclose the specific clinical information form (R29-INTGB : Functional Coprology)

Physical analysis - stool

PHYSP

[Indéfinie] Total of 24 hour stool samples ° Refrigerated

 2 days ° Physical examination

 Enclose the specific clinical information form (R29-INTGB : Functional Coprology)
Collection of 24-, 48- or 72-hour stool samples.
If collection over 2 or 3 days, send all samples in one shipment.

 T10 : Stool container 1l

Phytanic acid - plasma

APHYX *

2mL EDTA plasma or Heparin plasma ° FROZEN

 2 weeks ° Liquid Phase Chromatography / Mass Spectrometry (LC-MS)

 Sample to be frozen within 1 hour. Home sampling is not advisable.

Pigeon breeder's lung disease - screening - serum

OIS

1mL Serum ° Refrigerated

 4 days ° Fluorescent enzyme-immunoassay

-  If screening is positive, the confirmation test is automatically performed.
The confirmation serology of the bird lung disease code = OISC cannot be performed without a concurrent request for an screening test code = OIS
If possible, specify the bird type

Pimozide - Serum

PIMO

*

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

-  Do not use tubes with phase separator
1 individual aliquot for this analysis.
In accordance with the regulation, all requests must ALWAYS contain:
- the sampling date and time, the date and time of the last dose
 - the reasons for the prescription (efficiency and/or toxicity test)
 - the treatment start date and/or the date of any change of dosage
 - the subject's age, height and weight, when possible
 - the dosage data (quantity administered, frequency, administration route)
 - the medical follow-up sheet

Pipamperone - Serum

PIPAM

*

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Pipecolic acid - CSF

PIPLX

*

2mL CSF ° FREEZE before sending

 4 weeks °

Pipecolic acid - plasma

PIPES

*

2mL Lithium heparin plasma ° FROZEN

 3 weeks °

-  Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.

Pipecolic acid - urine

PIPEU *

10mL Random urine ° FROZEN

 2 weeks °

 Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
Sample to be frozen within 1 hour. Home sampling is not advisable.

 T9 : Urine flasks 70 ml

Piperacillin - Serum

PIPE *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 4 weeks ° HPLC - High Performance Liquid Chromatography

 Centrifuge the sample and decant rapidly
Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Pipothiazine - serum

PIPO *

2mL Serum ° FROZEN

 10 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Do not use tubes with phase separator
1 individual aliquot for this analysis.
In accordance with the regulation, all requests must ALWAYS contain:
- the sampling date and time, the date and time of the last dose
- the reasons for the prescription (efficiency and/or toxicity test)
- the treatment start date and/or the date of any change of dosage
- the subject's age, height and weight, when possible
- the dosage data (quantity administered, frequency, administration route)
- the medical follow-up sheet

Plasminogen - plasma

PLAS

1mL Citrated Plasma ° FROZEN

 1 week ° Chromogenic method

 1 individual aliquot for this analysis.
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Platelet typing - whole blood

GPLAQ *

5mL EDTA whole blood ° Ambient temperature

 1 week ° Molecular biology

 Please attach the specific clinical information form (R44 INTGB : Platelet Immunology or R45-INTGB: Investigation for foetal/neonatal thrombocytopenia in newborns)

Platinum - urine

PLATU *

5mL urine sample ° Refrigerated

 3 weeks ° Inductively coupled plasma-mass spectrometry

 T9 : Urine flasks 70 ml

PML/RARA-t(15;17) quantitative PCR - whole blood

PMLR *

5mL EDTA whole blood ° Ambient temperature

 30 days ° PCR

Pneumocystis jirovecii - Quantitative PCR / fungal load

PJICF

BAL, respiratory samples (excluding biopsies) ° Refrigerated

 3 days ° Real-time PCR

 Les écouvillons nasopharyngés sont à proscrire.
The use of the S14UK transport bag is Mandatory.

 S14: Special mycobacteria transport bags are to be used

Poliovirus - serology - serum

POLIO

2mL Serum ° Refrigerated

 15 days ° Neutralisation test

Polyomavirus BK - viral load

POPCR

[Indéfinie] 5 ml urine (without preservatives) 2 ml (minimum) EDTA whole blood ° Refrigerated

 3 days ° Real-time PCR

 The use of the S14UK transport bag is Mandatory.

 S14: Special mycobacteria transport bags are to be used

Polyomavirus JC - direct diagnosis - PCR

JCPL

1 ml EDTA whole blood, 5 ml urine (without preservatives) 0.5 ml (minimum) CSF: Refrigerated; brain biopsie ° Refrigerated

 3 days ° Real-time PCR

 The use of the S14UK transport bag is Mandatory.

 S14: Special mycobacteria transport bags are to be used

Ponatinib - Plasma

PONAT *

1mL Heparin plasma (do not use tubes with separator gel) ° Refrigerated

 4 weeks ° High-performance liquid chromatography / high resolution mass spectrometry

 Enclose the specific clinical information form (R7-INTGB : Quantification of imatinib/Glivec® in plasma)

Porphobilinogen - urine

PORFU *

70mL early morning urine sample (stored away from light) ° Refrigerated

 10 days ° Ion Exchange Chromatography - colorimetry

 T9 : Urine flasks 70 ml

Porphyryns - stool

POS *

Stools - random sample (stored away from light) ° Refrigerated

 15 days ° Spectrophotometry

 Please attach the specific clinical information sheet (R43: Porphyryns)
Advise the patient to store faecal samples in a refrigerator before sending to the laboratory
DIET : within 72 hours prior to the assay, avoid consuming rare red meat

Porphyryns - Urines

POU

2tube(s) early morning urine sample (stored away from light) ° FREEZE before sending

 14 days ° HPLC - High Performance Liquid Chromatography

 The urine creatinine level, essential information for the result interpretation, is systematically performed
2 specific aliquots for this analysis

 Tube for urine sample (4mL)-T28

Posaconazole - Serum

POSA *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 15 days ° LCMS

 Enclose the specific information form R8 INTGB anti-fungal agents and anti-tuberculosis drugs
Complete and attach the information form available on www.biomnis.com together with the patient request form

Prazepam - Serum

PRAZE *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography / DAD

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Prealbumin - serum

PREAL

1mL Serum ° Refrigerated

 2 days ° Immuno turbidimetry

 ALWAYS specify the patient's age and gender

Pre-eclampsia - risk estimation - serum

PECLA

3mL Serum (1 specific tube for pre-eclampsia screening) ° Refrigerated

 1 week ° Fluoro-Immunoassay (time resolved)

 Enclose the specific clinical information form (R4-INTGB: Pre-eclampsia)
Non hemolysed, non-icteric, non lipemic sample. Sample must be centrifuged as quickly as possible and international samples must be frozen within 4 hours of sampling.
Please conserve an additional sample in your serolibrary until you have received the result.
Risk assessment is possible for monofoetal pregnancies only
Sample must be collected between 11.0 and 13.6 weeks of amenorrhoea
Arterial blood pressure should be taken on both arms at the same time; if not, a single arm will suffice.
The period between the ultrasound scan, the taking of blood pressure and sample collection must not exceed 10 days.

 [To be translated]

Pre-eclampsia sFlt-1 et PIGF - Predictive test - sFlt-1/PIGF ratio - serum

TPREE

2mL Serum ° Refrigerated

 2 days ° Electrochemiluminescence

 Sampling from Week 20 of pregnancy
The sample must be centrifuged as quickly as possible, within 4 hours by the latest.
For the French Overseas Territories and other international consignments: FROZEN < 4H IMPERATIVE
Please ensure to confirm the sample and conception date (date of the first trimester ultrasound and crown rump length (CRL)).

 [To be translated]

Pregabalin

PREGA *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks °

 1 individual aliquot for this analysis.

Pregnenolone - serum

PREG

3mL Serum ° Refrigerated

 2 weeks (if dilution/control needed - TAT 4 weeks °
Chromatography - Extraction - Radioimmunoassay

Pregnenolone sulfate - serum

SPRE

1mL Serum ° Refrigerated

 10 days ° Radioimmunoassay

 CIRCADIAN RHYTHM: This biological molecule has a circadian rhythm (maximum concentration in morning), with a sufficiently significant amplitude to have an important influence on the clinical interpretation

Prekallikrein - activity - plasma

PREK

1mL Citrated Plasma ° FROZEN

 1 month ° Chronometric method

 1 individual aliquot for this analysis.
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Prenatal exome

EXOPN

Fresh or cultivated amniotic fluid, fresh or cultivated chorionic villi, miscarriage product. °



4 weeks for the interpreted exome excluding confirmatory analyses and 2 weeks to make the data available in sequenced form



According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist

Trio whole exome sequencing assay requires an EDTA whole blood sample for each parent (mother and father) If the sample is transported at room temperature, the sample must reach our facility within 4 days. In case of longer transport time, please send the sample in refrigerated condition.

Please inform us when an urgent or prenatal exome is expected.

Please see the specific form N34- Whole exome sequencing

Please attach the specific request form B34-INTGB Exome analysis

For prenatal tests:

Please ensure to attach a maternal EDTA whole blood sample to each prenatal exome sample request (screening for maternal contamination)

Also attach the certificate of information and consent of the pregnant woman D44 as well as the specific request form for antenatal diagnosis B3



K34 : Kit Exome

Primidone - serum

PRIPH *

1mL Serum (do not use tubes with separator gel) ° FROZEN



2 weeks ° LCMS/MS



Combined with Phenobarbital quantification.

Enclose the specific clinical information form (R13-INTGB : Medication quantification)

1 individual aliquot for this analysis.

Before another administration, always at the same time

Pristanic Acid - Plasma

APRIS *

4mL Heparin plasma (do not use tubes with separator gel) ° Frozen



4 weeks °



Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)

Sample to be frozen within 1 hour. Home sampling is not advisable.

1 individual aliquot for this analysis.

Procalcitonin

PCT

1mL serum ° FROZEN



1 day ° Microparticle immunoassay by chemiluminescence (CMIA)



Avoid more than 3 freeze / thaw cycles

1 individual aliquot for this analysis.

Professional allergens panel - specific IgE

PANAP

2mL Serum ° Refrigerated



3 days ° Fluorescent enzyme-immunoassay - Phadia-ThermoFisher Scientific



Use the specific request form B62: allergological panel

Pro-gastrin-releasing-peptide (ProGRP)

PRGRP

1mL Serum on tube with phase separator ° Frozen



1 week ° Electrochemiluminescence



Sample has to be centrifugated straight after sampling
Home blood draw proscribed.
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Progesterone - saliva

PGSA

0.5mL Saliva ° FROZEN



1 month ° ELISA



SPECIAL OR DELICATE SAMPLE: the kit used to collect and transport the saliva sample is called a "Salivette". It is available upon request. Before sampling, the patient must observe a time of at least 30 minutes without consuming food or acidic beverages. It is very important not to contaminate the saliva sample with blood, therefore, it is necessary to avoid brushing teeth before collection. The collection protocol is described in the package insert accompanying the sampling kit.



K5: Sample kit-Saliva

Progesterone - serum

PG

1mL Serum ° Refrigerated



1 day ° Electrochemiluminescence



Tubes with phase separators must be centrifuged and decanted.
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Proinsulin - serum

PRINS

1mL serum (do not use 10 mL tube) ° FROZEN



7 days ° Chemiluminescence

Prolactin - molecular forms - serum

PRLCH *

5mL Serum ° FROZEN

 2 months ° ECLIA, radioimmunoassay and radioimmunoassay after precipitation with PEG (+ chromatography)

 Enclose the specific clinical information form (R20-INTGB : Molecular forms of prolactin)

Prolactin - serum

PROL

1mL Serum ° Refrigerated

 1 day ° Electrochemiluminescence

 ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Promethazine - serum

PROME *

2mL Serum ° FROZEN

 3 days °

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Propafenone - Serum

PROPF *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography / DAD

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)

Properdin - complement fraction

PPER *

5 mL citrated whole blood + 3 mL Serum ° Refrigerated

 2 months °

 Dispatch without delay after sampling (always within 48 hours)

Propranolol - Serum

AVLO *

2mL Serum (do not use tubes with separator gel) ° Refrigerated

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)

Protein 14.3.3 - CSF

WBP14 *

1mL CSF ° FROZEN

 3 weeks ° Western-Blot

 Enclose the specific clinical information form (R33 Protein-14.3.3)
Centrifuge and settle the sample immediately in a tight double container

 TAU-20 : Kit protéine TAU -20°C (Alzheimer/Creutzfeldt-Jacob) ponction lombaire

Protein C - activity - plasma

PC

2mL Citrated Plasma ° FROZEN

 1 day ° Chromogenic method

 Enclose the specific clinical information form (R5-INTGB : Haemostasis)
PC and PS are vitamin K dependant and testing must be performed well after any AVK treatment (1 month)
Attach the clinical information concerning the patient (significant inflammation, pregnancy, family history, etc.) and the clinical context (bleeding, thrombosis, preoperative assessment, etc.)
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Protein C - antigen - plasma

PCAG

1mL Citrated Plasma ° FROZEN

 5 days ° Enzyme-immunoassay

 Enclose the specific clinical information form (R5-INTGB : Haemostasis)
1 individual aliquot for this analysis.
ALWAYS specify the current anticoagulant treatment
Attach the clinical data relating to the patient (major inflammatory syndrome, pregnancy, etc.) and the circumstances (bleeding, thrombosis, preoperative evaluation, etc.)
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Protein electrophoresis and Immunobinding - serum

EIF

1mL Non haemolysed serum ° Refrigerated

 2 days ° Electrophoresis and Immunobinding

 Lactescent/hemolysed serum samples are forbidden

Protein electrophoresis - serum

EPPRO

1mL Non haemolysed serum ° Refrigerated

 1 day (2 days if IFS) ° Electrophoresis

 Lactescent/hemolysed serum samples are forbidden
Enclose clinical details
SUPPLEMENTARY ANALYSES IN THE EVENT OF BIOLOGICAL ANOMALY DETECTION: when performing specific analyses, the biologists complete the evaluation in order to characterise or have a better typing of a biological anomaly, we perform immunofixation (with electrophoresis) in the presence of a homogeneous band on the chart

Contact the International Division for further information

Protein electrophoresis - urine

EPROU

2tube(s) 24hr Urine collection or Early morning urine ° Refrigerated

 2 days ° Electrophoresis

 Refrigerated collection and transport. Urine without preservative and without the addition of acid
Specify diuresis
Join the information relating to electrophoresis and serum immunofixation

 Tube for urine sample (4mL)-T28

Protein profile for screening without electrophoresis - serum

PPO

3mL Serum ° FROZEN

 2 days ° Immuno turbidimetry

 ALWAYS specify the patient's age and gender
This analysis includes: Albumin, transferrin, haptoglobin, orosomucoid, C3, IgG, IgA, IgM

Protein S100 - CSF

100PL

1mL Non haemolysed CSF ° FROZEN

 1 week ° Electrochemiluminescence

Protein S100 - serum

PS100

1mL Non haemolysed serum ° FROZEN

 1 week ° Electrochemiluminescence

 Leave to clot for 20-30 minutes at room temperature
Centrifuge, Decant, freeze rapidly

Protein S - activity - plasma

PS

2mL Citrated Plasma ° FROZEN

 1 day ° Chronometric method

-  Enclose the specific clinical information form (R5-INTGB : Haemostasis)
PC and PS are vitamin K dependant and testing must be performed well after any AVK treatment (1 month)
Do not assay in the event of ongoing treatment with a direct-acting oral anticoagulant (XARELTO, ELIQUIS, PRADAXA).
Attach the clinical information concerning the patient (significant inflammation, pregnancy, family history, etc.) and the clinical context (bleeding, thrombosis, preoperative assessment, etc.)
If activity low, we perform PSLI/Free protein S- antigen
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.
The assay should be performed after a 5-day discontinuation of the ODA treatment

Proteins - biological fluid

PROTD

2mL Biological fluid ° Refrigerated

 2 days ° Chemistry - Spectrophotometry

Proteins - dosage - serum

PROT

1mL Serum ° Refrigerated

 1 day ° Colorimetry

-  WARNING: If combined with protein electrophoresis, only with serum.

Proteins - dosage - urine

PRU24

1tube(s) 24hr urine ° Refrigerated

 1 day ° Turbidimetry

-  Specify diuresis
-  Tube for urine sample (4mL)-T28

Prothrombine Ratio - plasma

TPH

2mL Citrated Plasma ° FROZEN

 1 day ° Chronometric method

-  If the patient is currently under AVK treatment, request an INR instead
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

PSA - Prostate-specific antigen free - serum**PSALI**

1mL Serum ° FROZEN

 1 day ° Electrochemiluminescence

 Centrifuge and freeze immediately
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

PSA - Prostate-specific antigen total - aspiration biopsy**PSAD**

1mL Aspiration biopsy ° FROZEN

 1 day ° Electrochemiluminescence

 ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

PSA - Prostate-specific antigen total - serum**PSA**

1mL Serum ° FROZEN

 1 day ° Electrochemiluminescence

 ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Pterins - CSF**PTPLX ***

2mL CSF ° FREEZE before sending

 3 weeks °

Pterins - urines**PTMUX ***

10mL Urines ° FREEZE before sending

 3 weeks °

PTH - Intact parathormone - aspiration biopsy**PTHD**

1mL Aspiration biopsy ° FROZEN

 1 day ° Electrochemiluminescence

 Freeze as soon as possible. Only one freezing possible

PTH - Intact parathormone - serum

PTH

1mL Non haemolysed serum ° FROZEN

 1 day ° Electrochemiluminescence

-  Due to the short half-life of PTH, immediate centrifugation of the blood is recommended. This allows the serum to be obtained before freezing.
Gel tubes should be decanted before sending to avoid haemolysis on thawing. Only one freezing is possible.
Do not use heparinised plasma
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

PTH-RP - Parathormone related protein - plasma

PTHRP

1mL EDTA plasma + Aprotinine - non haemolysed ° FROZEN

 2 weeks ° Radioimmunoassay

-  Sample on special tube (EDTA + Aprotinin) supplied on request.
Special tube (EDTA + Aprotinin) supplied upon request.
Centrifuge at +4°C and FREEZE the plasma immediately.
-  T2 : EDTA + aprotinine tube

Purines and pyrimidines - urines

PUPYX *

10mL Urines ° FREEZE before sending

 3 weeks °

PVL toxin detection (Staphylococcus aureus) - PCR on strain

STABM *

Strain inoculation in deep agar ° Refrigerated

 1 week ° PCR detection of the PVL gene

-  Available only on bacterial strain (please ensure the IATA logistics guidelines to refer this sample)
Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology
-  S14: Special mycobacteria transport bags are to be used

Pyrazinamide - Serum

PYRA *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
Freeze the sample within 4 hours after sampling

Pyruvic acid - Supernatant or CSF

APYR *

[Indéfinie] Supernatant or CSF ° FROZEN

 15 days ° Chemistry - Spectrophotometry

-  Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
Please consult the specific sample collection/storage protocol
Sample to be frozen within 1 hour. Home sampling is not advisable.
For lactate and pyruvate testing in CSF samples: please freeze the sample within one hour of collection
[To be translated]

Quetiapine

QUETA

3mL lithium heparin plasma (do not use tubes with separator gel) ° Refrigerated

 15 days ° High-performance liquid chromatography / Spectrometry

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Residual level sample
The following examinations can be performed on the same sample: Aripiprazole; Clozapine; Haloperidol; olanzapine; Quétiapine; Rispéridone.

Quinidine - Serum

QUIN *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° HPLC - High Performance Liquid Chromatography / UV detection

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration

Quinine - Serum

QUINI *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° HPLC - High Performance Liquid Chromatography / DAD

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Rabies - serology - serum

RAGE

500µL serum (do not use 10 mL tube) ° Refrigerated

 2 weeks ° Enzyme-immunoassay

-  This test is reserved for post-vaccination testing
Prohibit 10 ml tube with or without gel

Raltegravir - Serum

RALTE *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 3 weeks ° LCMS/MS

 Enclose the specific clinical information form (R6-INTGB : Anti retroviral treatment)

réinterprétation d'exome

REINT

[Indéfinie] Pas de prélèvement nécessaire. L'analyse exome ou panel doit avoir été réalisé chez Eurofins-Biomnis initialement. °



 L'exome initial doit avoir été réalisé au laboratoire Biomnis

Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B, MET, MITF, PBRM1, PTEN, SDHAF2, SDHB, SDHC, SDHD, SETD2, TMEM127, TSC1, TSC2, VHL, WT1

EOREI

5mL 1 x 5 mL Whole blood EDTA (1 full tube) or 1 extracted DNA tube (minimum volume 50µL with a minimum quantity of 1µg) °

 4 weeks for the interpreted panel - excluding confirmatory analysis ° Lib Twist, Seq Illumina 2x150 Novaseq 6000. Perf: #

 These tests should be prescribed during a dedicated consultation by an oncogeneticist, a genetic counsellor in conjunction with an oncogenetic team or a specialist doctor with oncogenetic skills.
According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
If the sample is transported at room temperature, the sample must reached our facility within 4 days. in case of longer transport time, please send the sample in refrigerated condition.
In case of urgent collection, please inform us when sending.
Use the B67 application form

 K34 : Kit Exome

Renin active

REN

1mL Plasma EDTA ° FROZEN

 2 days ° Radioimmunoassay

 DIET INFORMATION: our reference ranges are only valid for a normal salt intake (80-250mEq/24hrs natriuresis)
Specify upright or reclined :
Sampling in upright position after 1 hr of walking : REND
Sampling in the reclined position after 1 hr in supine position : RENC

Renin Active - lying

RENC

1mL Plasma EDTA ° FROZEN

 2 days ° Radioimmunoassay

 DIET INFORMATION: our reference ranges are only valid for a normal salt intake (80-250mEq/24hrs natriuresis)
Specify upright or reclined (Sampling in upright position after 1 hr of walking; sampling in the reclined position after 1 hr in supine position)

Renin active- standing

REND

1mL Plasma EDTA ° FROZEN

 2 days ° Radioimmunoassay

 **DIET INFORMATION:** our reference ranges are only valid for a normal salt intake (80-250mEq/24hrs natriuresis)
Specify upright or reclined (Sampling in upright position after 1 hr of walking; sampling in the reclined position after 1 hr in supine position)

Respiratory Infection Panel - direct diagnosis - PCR

PIR

Nasopharyngeal swab ° Refrigerated

 2 days ° Real-time PCR

 The use of the S14UK transport bag is Mandatory.
Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Respiratory syncytial virus - RSV - direct diagnosis - PCR

VRSBM

[Indéfinie] Nasopharynx, bronchial secretions, BAL: ° Refrigerated

 3 days ° Real-time PCR

 Also available in multiplex PCR (VIRBM) which includes detection of RSV, HMPV and rhinoviruses.
The use of the S14UK transport bag is Mandatory.
other biological samples must not be diluted, to be sent in a plain tube
Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Respiratory syncytial virus - RSV - IgG serology - serum

VRS

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Enzyme-immunoassay

Retinol-Binding Protein - RBP

RBP

1mL serum ° Refrigerated

 1 day ° Nephelometry

Rhesus D - foetal genotype

GRHDX

10mL Whole blood Streck ° Ambient temperature

 4 days ° Real time TaqMan PCR

-  1 specific aliquot for this analysis kit provided on request K37 (Rhesus D fetal genotyping)
Sample MUST be forwarded to Eurofins Biomnis within 10 days maximum after the blood collection
Always attach of photocopy of the patient's blood card
Please indicate the pregnancy start date
In case the patient is known with anti-D alloimmunisation, please indicate YES/NO
Without specific information on previous alloimmunisation, please attach the latest results of indirect antiglobulin test (IAT)
Use the specific request form (B37-INTGB: Foetal Rhesus D Genotyping)

Rhesus Kell - whole blood

RH

5mL EDTA whole blood (do not use tubes with separator gel) ° Refrigerated

 1 day ° Gel Filtration or Immunocapture method

-  Please specify the patients full civil status on the request form and primary tube: maiden name, married name or surname used, full first name, gender and date of birth. Please send us the primary tube.
Please also send us any recent blood transfusion details (in the last 4 months). Indicate any technical difficulties encountered during RH-KEL1 blood group testing.
ABO-RH1 (D) blood typing - whole blood is performed systematically
Complete and attach the information form available on www.biomnis.com together with the patient request form

Rheumatoid factors - IgA - serum

FRA

1mL Serum ° Refrigerated

 1 week ° Enzyme-immunoassay

Rheumatoid factors - serum

FR

1mL Serum ° Refrigerated

 2 days ° Enzymoimmunologie (ELISA)

Rhinovirus - direct diagnosis - PCR

RHIBM

[Indéfinie] Nasopharynx, bronchial secretions, BAL: ° Refrigerated

 3 days ° Real-time PCR

 Also available in multiplex PCR (VIRBM) which includes detection of RSV, HMPV and rhinoviruses.
The use of the S14UK transport bag is Mandatory.
other biological samples must not be diluted, to be sent in a plain tube
Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Ribavirin - plasma

RIBAV *

3mL Heparin Plasma ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography

 Decant
Freeze the sample within 1 hour after sampling
Always draw blood at the same time before another administration
Enclose the specific clinical information form (R25-INTGB : Ribavirin information form)

Rickettsioses - R. conorii, R. typhi - serology - serum

RICCT

1mL serum (do not use 10 mL tube) ° Refrigerated

 3 days ° Immunofluorescence

 Screening: total Ig. If positive, test for IgM

Rifabutin - Serum

RIFAB *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific information form R8 INTGB anti-fungal agents and anti-tuberculosis drugs

Rifampicin - serum

RIFA *

2mL Serum ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R18-INTGB : Infectious agents)
Sample 3 hours after administration

Rilpivirine

RILPI *

3mL EDTA plasma ° Frozen

 2 weeks ° LCMS

 Always sample at the same time before another administration
Attach the clinical data sheet

Risperidone

RISPE

2mL lithium heparin plasma (do not use tubes with separator gel) ° Refrigerated

 1 week ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
.
1 individual aliquot for this analysis.
The following examinations can be performed on the same sample: Aripiprazole; Clozapine; Haloperidol; olanzapine; Quétiapine; Rispéridone.

Ritonavir - Serum

RITO *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 3 weeks ° LCMS/MS

 Enclose the specific clinical information form (R6-INTGB : Anti retroviral treatment)

Rituximab - serum

RITUX *

1mL Serum ° FROZEN

 3 weeks ° Enzyme-immunoassay

 Always draw blood at the same time before another administration

Rivaroxaban - Anti Xa activity measurement - plasma

RIVA

1.5mL Citrated Plasma ° Frozen

 1 day ° Chromogenic method

 Sample to be frozen within 1 hour. Home sampling is not advisable.
Specify the Xarelto prescription details as well as the time of the drug intake.
Sample to be collected before intake (residual or trough level) or two hours after intake (peak). The equilibrium state is obtained three days after the treatment has started
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Rotavirus - rapid screening - Stools

ROTSE

Stools ° Refrigerated

 1 day ° Enzyme-immunoassay

 The use of the S14UK transport bag is Mandatory.

 S14: Special mycobacteria transport bags are to be used

rT3 - Reverse triiodothyronine

T3RE

1mL serum ° FROZEN

 1 month ° Radioimmunoassay

 1 individual aliquot for this analysis.
Attach the clinical data
Attach the thyroid evaluation results

RT PCR/DNA PCR specific for Microdeletion 4q12 - whole blood

D4Q12 *

5mL EDTA whole blood ° Ambient temperature

 30 days ° PCR

Rubella - antibody avidity - IgG - serum

RUBAV *

1mL Serum ° Refrigerated

 2 weeks ° Urea treatment

 [To be translated]
On specific request

Rubella - direct diagnosis - PCR

RUBM *

Nasopharyngeal aspiration required, throat, EDTA plasma, CSF, urine, aqueous humour, vitreous humour ° FROZEN

 Variable TAT: all positive results are released immediately ° PCR

 Sample to be frozen within 1 hour. Home sampling is not advisable.
ALWAYS attach serological results

Rubella - direct diagnosis - PCR - amniotic fluid

RUBLA *

5mL Amniotic fluid ° FREEZE

 3 weeks ° PCR

 Must include the request form (B3) and the patient's informed consent (D44)
The use of the S14UK transport bag is Mandatory.
Subsequently, please send us the pregnancy monitoring form (R10: monitoring-pregnancy-Infectious agents)
 S14: Special mycobacteria transport bags are to be used

Rubella - IgG serology - serum

RUBEO

1mL Serum ° Refrigerated

 3 days ° EIA

Rubella - IgM serology - serum

RUBEM

1mL Serum ° Refrigerated

 2 days ° EIA

 ALWAYS attach the following clinical data: gestational age, dates of contagion, eruption, vaccination and previous serology results

Rufinamide - Serum

RUFIN *

1mL Serum (do not use tubes with separator gel) ° FROZEN

 15 days ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Salmonellosis - serology - serum

SALMO

1mL serum (do not use 10 mL tube) ° Refrigerated

 4 days ° Agglutination

Saquinavir - Serum

SAQUI *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R6-INTGB : Anti retroviral treatment)
1 individual aliquot for this analysis.

scabies - screening

GALER *

Skin scales on a sterile container ° Refrigerated

 3 days °

 The use of the S14UK transport bag is Mandatory.
Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology
 S14: Special mycobacteria transport bags are to be used

SCC-TA4 antigen - aspiration biopsy

SCCD

1mL Aspiration biopsy ° Refrigerated

 1 day ° Chemiluminescence

 **ATTENTION:** interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

SCC-TA4 antigen - serum

SCC

1mL Serum ° Refrigerated

 1 day ° Chemiluminescence

 Not to be performed on haemolysed sample
ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Schistosomiasis - confirmation serology - serum

BILC

1mL serum (do not use 10 mL tube) ° Refrigerated

 5 days ° Western-Blot

Schistosomiasis - direct diagnosis - PCR

BILBM

10mL Urine (preferably at the end of morning micturition) ° Refrigerated

 6 days ° PCR

 The use of the S14UK transport bag is Mandatory.
Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology
[To be translated]

 S14: Special mycobacteria transport bags are to be used

Schistosomiasis - screening serology - serum

BIL

1mL serum (do not use 10 mL tube) ° Refrigerated

 4 days ° Enzyme-immunoassay

 If positive, the confirmation test is automatically performed.

Seafood product panel - specific IgE

PANPM

2mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay - Phadia-ThermoFisher Scientific

 Use the specific request form B62: allergological panel

Search for the T790M mutation of the EGFR gene - Peripheral blood from Cell Free DNA tube: Ambient or Plasma Aliquots: Frozen

EGFRS

*

1tube(s) Peripheral blood from Cell Free DNA tube: Ambient or Plasma Aliquots: Frozen °

 3 weeks °

 Use the specific request form B9-INTGB: Oncology-Solid tumors
Attach the anatomopathological report

Selenium

SE

2mL Plasma héparinate de sodium(proscrire les tubes avec séparateur F54) ° Refrigerated

 1 week ° ICP/MS

 1 individual aliquot for this analysis.

Selenium - urine

SEU

*

20mL Random urine ° Refrigerated

 3 weeks ° Atomic absorption

 Indicated the sampling time

 T9 : Urine flasks 70 ml

Semen biochemistry - seminal plasma

BIOSP

1.0mL Seminal plasma on fluoridated tube ° FROZEN

 15 days °

 Sample must be taken after 2-8 days of abstinence.
Always indicate the ejaculate volume, the pH, sperms count and abstinence period.
Sample preparation: centrifuge the tube at 1000 g for 10 min, collect the supernatant (minimum 0.5 mL) in an empty tube (plastic or glass).
[To be translated]

Serodiagnosis of baker lung (Alveolitis Allergic Extrinsic) - screening - serum

POBO

1mL Serum ° Refrigerated

 4 days ° Fluorescent enzyme-immunoassay

Serodiagnosis of cheesemonger lung Alveolitis Allergic Extrinsic) - screening - serum

POFR

1mL Serum ° Refrigerated

 4 days ° Fluorescent enzyme-immunoassay

Serodiagnosis of Domestic lung (Alveolitis Allergic Extrinsic) - screening - serum**PODO**

1mL Serum ° Refrigerated

 4 days ° Fluorescent enzyme-immunoassay

Serodiagnosis of Mushroom worker's lung (Alveolitis Allergic Extrinsic) - screening - serum**POCH**

1mL Serum ° Refrigerated

 4 days ° Fluorescent enzyme-immunoassay

Serology diagnosis Alveolitis Allergic Extrinsic - screening - serum**PDEP**

1mL Serum ° Refrigerated

 4 days ° Fluorescent enzyme-immunoassay Specify the allergens

Serotonin - whole blood**SEROT**

2mL Heparinised whole blood (no glass tubes) (prohibit use of tubes with separator) ° FROZEN

 4 days ° UPLC

 Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.
DIET: in the 48 hours preceding the sample, avoid foods or drinks rich in tryptophan (essential amino acid constituting serotonin): oily fish, poultry livers, brown rice, dairy products, bananas, chocolate / cocoa, dried fruits (nuts , almond, cashew nuts, dates), mango, avocado, tomato, plum, kiwi, pineapple, shellfish, beans and legumes, pumpkin seed
Note that taking antidepressants such as IRRS (serotonin reuptake inhibitors) may decrease the basal level of serotonin.

Sertraline - serum**SERT**

2mL Serum (do not use tubes with separator gel) ° FROZEN

 9 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration
The following examinations can be performed on the same sample: Citalopram; Duloxetine; Fluoxetine; Fluvoxamine; Mirtazapine; Paroxetine; Sertraline; Venlafaxine.

Serum

TIAGA *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° Liquid Phase Chromatography / Mass Spectrometry (LC-MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Serum amyloid A protein - SAA - serum

SAA

2mL Serum ° Refrigerated

 1 week ° Nephelometry

Sex-Binding Globulin - SHBG - serum

TEBG

1mL Serum ° Refrigerated

 2 days ° Electrochemiluminescence

 ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Sézary cells - screening - smear

SEZA

2 Unstained Heparin whole blood smear ° Ambient temperature

 3 days ° Microscopy

 Join the sample day lymphocyte count
Use the specific request form B8-INTGB: Malignant blood disorders

Sialic acid free - urines

SIALI *

10mL 24hr or random urine sample (child) ° FROZEN

 1 month °

 Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)

 T9 : Urine flasks 70 ml

Sickle cell anemia - whole blood

DREPE *

5mL EDTA whole blood ° Ambient temperature

 30 days °

 Enclose the specific B12-INTGB request form: Molecular Genetics

Sickle cells - status - blotting paper

DREPX *

Guthrie card only ° Ambient temperature

 3 weeks °

Silicon - Plasma

SILIC *

2mL Heparin plasma (do not use tubes with separator gel) ° Refrigerated

 2 weeks ° Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

 Sample on plastic tube (polypropylene or polystyrene) with plastic stopper

 T1 : Dry tubes 5ml

Silver - biological fluid

ARGD *

3mL Biological fluid ° Refrigerated

 2 weeks ° Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

Silver - plasma

ARGS *

3mL Heparin Plasma ° Refrigerated

 2 weeks ° Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

Sirolimus

SIRO

1mL Sang total EDTA ° Refrigerated

 3 days ° LCMS/MS

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
Residual level sample (just before administration)

Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R, MITF, NF1, PTCH1, PTCH2, POT1, TERT, TERF2IP, SUFU

EOPEA

5mL 1 x 5 mL Whole blood EDTA (1 full tube) or 1 extracted DNA tube (minimum volume 50µL with a minimum quantity of 1µg) °

 4 weeks for the interpreted panel - excluding confirmatory analysis ° Lib Twist, Seq Illumina 2x150 Novaseq 6000. Perf: #

 These tests should be prescribed during a dedicated consultation by an oncogeneticist, a genetic counsellor in conjunction with an oncogenetic team or a specialist doctor with oncogenetic skills.
According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
If the sample is transported at room temperature, the sample must reach our facility within 4 days. In case of longer transport time, please send the sample in refrigerated condition.
In case of urgent collection, please inform us when sending.
Use the B67 application form

 K34 : Kit Exome

Soluble bacterial antigens Streptococcus pneumoniae - CSF

STREL

1mL CSF ° Refrigerated

 1 day ° Immuno chromatography

 The use of the S14UK transport bag is Mandatory.
Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology

Soluble bacterial antigens Streptococcus pneumoniae - urines

PNAGD

10mL Urine ° Refrigerated

 1 day ° Immuno chromatography

 The use of the S14UK transport bag is Mandatory.
Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology
Supply one sample for each bacterium to be tested
Urine stored with boric acid are accepted

Soluble complexes

CSOLU

1mL Plasma Citraté(aliquote spécifique) ° FROZEN

 1 day ° Haemagglutination

 1 individual aliquot for this analysis.
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Soluble transferrin receptor - serum

RSTR

1mL Serum ° Refrigerated

 2 days ° Immuno turbidimetry

Somatostatin - plasma

SOMAT

1mL EDTA Plasma + Aprotinine ° FROZEN

 2 weeks ° Radioimmunoassay

 Sample on special tube (EDTA + Aprotinin) supplied on request.
Special tube (EDTA + Aprotinin) supplied upon request.
Centrifuge at +4°C and FREEZE the plasma immediately.

 T2 : EDTA + aprotinine tube

Sorbitol dehydrogenase - whole blood

SORD *

1mL EDTA whole blood ° Ambient temperature

 3 weeks °

Sotalol - serum

SOTAL *

2mL Serum ° FROZEN

 11 days ° HPLC - High Performance Liquid Chromatography / UV detection

 Do not use tubes with phase separator
Assayed in cases of intoxication only. This test is not performed for follow up cases.
Specify:
- the reasons for the prescription (efficiency and/or toxicity test),
- the sampling time
- the treatment start date and/or the date of any change of dosage
- the dosage data (quantity administered, frequency, administration route),
- the subject's age, height and weight if possible.

Specific IgE : ALEX - serum

ALEX

200µL Serum ° Refrigerated

 2 weeks ° M-EIA

 Assay 300 natural and molecular allergen extracts
Assay of total IgEs
Integrated inhibition of CDDs (cross-reactive carbohydrate determinants)

Specific IgE : ammonium IV - curare - serum

RAM4

2mL Serum only ° Refrigerated

 14 days ° Enzyme-immunoassay

Specific IgE : food allergens - allergen mix - serum**MA**

1mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay  Specify the allergens

Specific IgE : food allergen testing - Trophatop® adult - fx5/fx24/fx25**TROA**

1mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay

Specific IgE : food allergen testing - Trophatop® children - fx26/fx27/fx28**TROE**

1mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay

Specific IgE - Hycor - food allergens - single allergen**CTH**

1mL Serum ° Refrigerated

 7 days °  Specify the allergens

Specific IgE : hymenoptera venom - single allergen**IGESV**

2mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay  Specify the allergens

Specific IgE : inhalant allergens - allergen mix**MR**

1mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay  Specify the allergens

Specific IgE - inhalant allergens - single allergen**CPH**

1mL Serum ° Refrigerated

 7 days ° Fluorescent enzyme-immunoassay  Specify the allergens

Specific IgE : inhalant allergen testing - Phadiatop®**PHA**

1mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay

Specific IgE : latex - single allergen**IGESL**

2mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay  Specify the allergens

Specific IgE medicines - single allergen - Hycor**IGEMH**

2mL Serum ° Refrigerated

 7 days ° Fluorescent enzyme-immunoassay  Specify the allergens

Specific IgE medicines - single allergen-Phadia**IGESM**

2mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay  Specify the allergens

Specific IgE : Phadia - food allergens - single allergen**CT**

1mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay  Specify the allergens

Specific IgE : Phadia - inhalant allergens - single allergen

CP

1mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay

 Specify the allergens

Specific IgE - Respiratory and food allergen screen -Phadiatop® infant

PHABB

300µL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay

 Only for children younger than 2 years old.

SPECIFIC IgG4 - serum

RG41

1mL Serum ° Refrigerated

 1 week ° Fluorescent enzyme-immunoassay

 Specify the allergens

SPECIFIC IgG - serum

RGG1

1mL Serum ° Refrigerated

 7 days ° Fluorescent enzyme-immunoassay

 Specify the allergens

Spermocytogramm

SPCG

3 Non-fixed quick-dried slides ° Ambient temperature

 2 days ° Microscopy

 Please specify the sperm count.
This test is not performed for sperm counts < 4 million/ml

S-Phenylmercapturic acid - urines

PMA *

10mL End of shift urine ° Refrigerated

 3 weeks ° HPLC/MS/MS

 T9 : Urine flasks 70 ml

Spinal Muscular Atrophy - whole blood

AMYOX *

5mL EDTA whole blood ° Ambient temperature

 4 weeks ° Molecular biology

 According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Enclose the specific B12-INTGB request form: Molecular Genetics

Stavudine - plasma

STAVU *

3mL EDTA Plasma centrifuged immediately ° FROZEN

 3 weeks ° High-performance liquid chromatography / Spectrophotometry

 Sample at TO (before intake) T1H and T3H (after intake)
Enclose the specific clinical information form (R6-INTGB : Anti retroviral treatment)

Steatorrhoea - fat dosage - stool

STEAT

Total of 24 hour stool samples ° Refrigerated

 2 days ° Physical and chemical analysis

 Enclose the specific clinical information form (R29-INTGB : Functional Coprology)
Collection of 24-, 48- or 72-hour stool samples.
If collection over 2 or 3 days, send all samples in one shipment.
Diet enriched with butter (50g butter minimum daily) 3 days before collection and during the collection

 T10 : Stool container 1l

Steinert myotonic dystrophy - whole blood

STEIN *

5mL EDTA whole blood ° Ambient temperature

 30 days ° MLPA

 Enclose the specific B12-INTGB request form: Molecular Genetics

Steroid profile - urine

STERE *

mL 24hr Urine collection ° FROZEN

 3 weeks ° Chromatography - Colorimetry

Steroids panel - Examination of gonad function**STER1** *

1mL EDTA plasma ° FREEZE before sending

 1 week ° Enclose the specific information form R41 INT GB- Steroids panels

Steroids panel - Exploration of hirsutism**HIRSU**

5mL Serum ° Refrigerated

 3 days ° Radioimmunoassay Enclose the specific information form R41-SB INT GB- Steroid panels

Steroids panel - Search polycystic ovary syndrome**SOPK**

5mL Serum ° Refrigerated

 3 days ° Radioimmunoassay Enclose the specific information form R41-SB INT GB- Steroid panels

Steroids panel - Study of amniotic fluid - Amniotic fluid**STER3** *

1.5mL Amniotic fluid ° FREEZE before sending

 1 week ° Enclose the specific information form R41 INT GB- Steroids panels

Steroids panel - Testing for a disorder in steroid biosynthesis**STER2** *

1mL EDTA plasma ° FREEZE before sending

 1 week ° Enclose the specific information form R41 INT GB- Steroids panels

Stiripentol - Serum**STIRI** *

1mL Serum (do not use tubes with separator gel) ° FROZEN

 15 days ° HPLC - High Performance Liquid Chromatography Enclose the specific clinical information form (R13-INTGB : Medication quantification)

Streptococcus pneumoniae - capsular polysaccharide - serology - serum**PNUAC**

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Enzyme-immunoassay**Strongyloidiasis - serology - serum****ANG**

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Enzyme-immunoassay**Strontium - whole blood****STRO ***

2mL Heparin whole blood ° Refrigerated

 1 week ° Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)**Strychnin - urines****STRYU ***

5mL Urine sample ° Refrigerated

 2 weeks ° GPC/MS - HPLC/UV-BD**Strychnin - whole blood****STRYC ***

5mL Heparin whole blood ° FROZEN

 2 weeks ° GPC/MS - HPLC/UV-BD 1 individual aliquot for this analysis.**Styrene - urine****STYRU ***

10mL urine sample ° Refrigerated

 3 weeks ° Gas Phase Chromatography / Mass Spectrometry (GC-MS) Glass container with PTFE stopper, supplied upon request T18 : Glass flask, PTFE lid for organic solvents detection - urine

Styrene - whole blood

STYRE *

5mL EDTA whole blood or Heparin ° Refrigerated

 2 weeks ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 Do not use tubes containing merthiolate
Sample at end of work shift
Transfer whole blood into a special glass tube with a PTFE lid

 T17 : Glass tube, PTFE lid for organic solvents detection - blood

Sugars - screening - stool

SUCSP

20g Stool sample ° Refrigerated

 4 days ° Chromatography - Colorimetry

 Enclose the specific clinical information form (R29-INTGB : Functional Coprology)

Sulfate DHEA salivary - saliva

SDHSA

0.5mL Saliva ° FROZEN

 1 month ° ELISA

 SPECIAL OR DELICATE SAMPLE: the kit used to collect and transport the saliva sample is called a "Salivette". It is available upon request. Before sampling, the patient must observe a time of at least 30 minutes without consuming food or acidic beverages. It is very important not to contaminate the saliva sample with blood, therefore, it is necessary to avoid brushing teeth before collection. The collection protocol is described in the package insert accompanying the sampling kit.

 K5: Sample kit-Saliva

Sulfatides - urine

SULFA *

[To be translated] ° FROZEN

 6 weeks ° Tandem mass spectrometry (MS/MS)

 Attach the clinical data

Sulfocysteine - urines

SCYSU *

10mL Early morning urine (fasting) ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography

 Fasting sample
Sample to be frozen within 1 hour. Home sampling is not advisable.

Sulphonylureas - serum

SULS *

2mL Serum ° FROZEN

 10 days ° HPLC - High Performance Liquid Chromatography / UV detection

 Always indicate the clinical context
1 individual aliquot for this analysis.

Sulphonylureas - urine

SULU *

1tube(s) Urine ° FROZEN

 10 days ° HPLC - High Performance Liquid Chromatography / UV detection

 Tube for urine sample (4mL)-T28

Sulphonylurea - urine

SULPX *

25mL 24hr Urine collection ° Refrigerated

 3 weeks ° Enzyme-immunoassay

Sulpiride - Serum

SULPI *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Sultiame - Serum

SULTI *

1mL Serum (do not use tubes with separator gel) ° FROZEN

 15 days ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Residual level sample

Sultopride - Serum

SULTO *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Superoxide dismutase - SOD

SOD *

300µL Red cell pellet from Lithium heparin whole blood ° FROZEN

 3 weeks ° Spectrometry

 Globular sediment preparation:
- whole blood collected on lithium heparinate
- centrifugation at 2860 g at +4°C
- discard the plasma and the leukocyte layer
- freeze at -20°C
Sample to be frozen within 1 hour. Home sampling is not advisable.

Syphilis - IgG confirmation serology - serum

WBSG

1mL Serum ° Refrigerated

 8 days ° Immunoblot Mikrogen

Syphilis - IgM confirmation serology - serum

WBSM

1mL Serum ° Refrigerated

 8 days ° Immunoblot Mikrogen

Syphilis - IgM serology - serum

BWGM

1mL Serum ° Refrigerated

 8 days ° Enzyme-immunoassay

Syphilis - titration - CSF

BWQPL

1mL CSF ° Refrigerated

 2 days ° VDRL-TPHA

Syphilis - Treponemique test - screening serology - serum

BW

1mL Serum ° Refrigerated

 2 days ° Electrochemiluminescence

 in case of positive screening, initiation of a non-treponemal test.

Syphilis - VDRL or quantitative RPR

BWQ

1mL non-lipemic serum ° Refrigerated

 3 days ° Immuno turbidimetry

T3 - Triiodothyronine - urine

T3U

1tube(s) Non acidified 24hrs urine collection ° Refrigerated

 2 weeks (if dilution/control needed - TAT 4 weeks °
Radioimmunoassay

 Specify diuresis

 Tube for urine sample (4mL)-T28

T4 - Thyroxine - urine

T4U

1tube(s) Non acidified 24hrs urine collection ° Refrigerated

 2 weeks (if dilution/control needed - TAT 4 weeks °
Radioimmunoassay

 Specify diuresis
CIRCADIAN RHYTHM: This biological molecule has a circadian rhythm (maximum concentration in morning), with a sufficiently significant amplitude to have an important influence on the clinical interpretation

 Tube for urine sample (4mL)-T28

Tacrolimus - FK-506

FK506

1mL Sang total EDTA ° Refrigerated

 3 days ° LCMS/MS

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
Residual level sample (just before administration)

Targeted Sequencing - Postnatal

SEPOS

EDTA whole blood, fetal tissue, aspirate, placenta, fetal cord, extracted DNA °

 6 weeks ° Sanger sequencing

 5 ml of whole blood on EDTA from each parent (quotation on request) is required to perform this test
Targeted study for verification, family study or PND
Use the clinical information sheet R66.
Enclose the specific B12-INTGB request form: Molecular Genetics
ALWAYS attach the medical prescription, the clinical patient's history and the consent form signed by both the patient and the prescribing clinical

Targeted Sequencing - Prenatal

SEPRE

Liquide amniotique frais ou cultivé, villosités chorales fraîches ou cultivées ; Sang foetal ; ADN extrait °



4 weeks ° Sanger sequencing



5 ml of whole blood on EDTA from each parent (quotation on request) is required to perform this test
Targeted study for verification, family study or PND
Use the specific form B3-INTGB: Cytogenetic
Use the clinical information sheet R66.
ALWAYS attach the medical prescription, the clinical patient's history and the consent form signed by both the patient and the prescribing clinical

TAU - PTAU - Amyloid proteins - CSF

PTAU *

3mL CSF ° FROZEN



2 months ° Enzyme-immunoassay



Specific sampling kit provided on request
Refer to sampling protocol for all practical information



TAU-20 : Kit protéine TAU -20°C (Alzheimer/Creutzfeldt-Jacob) ponction lombaire

T-cell clonality clonal rearrangement of T gamma (TCRG)

CLONT *

1 EDTA whole blood or 1 EDTA bone marrow or biopsy ° Ambient temperature



1 month ° PCR



Attach:
- the results of the FBC - platelets
- the immunophenotyping report
Sample must be refrigerated if transport is > 48 hours
Use the specific request form B8-INTGB: Malignant blood disorders
Attach the anatomopathological report

Teicoplanin - serum

TEI

1mL Serum ° Refrigerated



2 days ° Immuno turbidimetry



Enclose the specific clinical information form (R13-INTGB : Medication quantification)

Temazepam - Serum

TEMAZ *

2mL Serum (do not use tubes with separator gel) ° FROZEN



10 days ° HPLC - High Performance Liquid Chromatography / DAD



Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Tenofovir - plasma

TENO *

3mL EDTA Plasma centrifuged immediately ° FROZEN

 2 weeks ° LCMS

 Enclose the specific clinical information form (R6-INTGB : Anti retroviral treatment)

Testosterone bioavailability - serum

TBH

3mL Serum ° Frozen

 4 days ° Radioimmunoassay

 Fasting sample
[To be translated]

Testosterone Bioavailable - woman/ child - serum

TBEF

2mL Serum ° FROZEN

 6 days ° Radioimmunoassay

 ALWAYS sample in the fasting state

Testosterone free - Serum

TLI

1mL Non haemolysed and non lipemic serum ° Frozen

 3 days ° Radioimmunoassay

Testosterone - man - serum

TH

1mL Serum ° Refrigerated

 1 day ° Electrochemiluminescence

 ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Testosterone - saliva

TESSA

0.5mL Saliva ° FROZEN

 1 month ° ELISA

 SPECIAL OR DELICATE SAMPLE: the kit used to collect and transport the saliva sample is called a "Salivette". It is available upon request. Before sampling, the patient must observe a time of at least 30 minutes without consuming food or acidic beverages. It is very important not to contaminate the saliva sample with blood, therefore, it is necessary to avoid brushing teeth before collection. The collection protocol is described in the package insert accompanying the sampling kit.

 K5: Sample kit-Saliva

Testosterone - woman/child - serum

TEF

1mL Serum ° Refrigerated

 2 days ° Radioimmunoassay

Tetanus - immunity test - IgG serology - serum

TET

1mL serum (do not use 10 mL tube) ° Refrigerated

 3 days ° Enzyme-immunoassay

Tetrachloroethylene - urine

TCHLU *

10mL urine sample ° Refrigerated

 2 weeks ° Gas Phase Chromatography / electron captors

 Glass container with PTFE stopper, supplied upon request

 T18 : Glass flask, PFTE lid for organic solvents detection - urine

Tetrachloroethylene - whole blood

TCHLS *

5mL EDTA whole blood or Heparin ° Refrigerated

 2 weeks ° Gas Phase Chromatography / electron captors

 Do not use tubes containing merthiolate
Sample at end of work shift
Transfer whole blood into a special glass tube with a PTFE lid

 T17 : Glass tube, PTFE lid for organic solvents detection - blood

Tetrachloromethane - whole blood

TCM *

5mL EDTA whole blood or Heparin ° Refrigerated

 2 weeks ° Gas Phase Chromatography / electron captors

 Transfer whole blood into a special glass tube with a PTFE lid

 T17 : Glass tube, PTFE lid for organic solvents detection - blood

Tetraglucoside - urines

GLC4 *

Fresh Urine sample ° FROZEN

 2 months °

 Freeze the sample within 1 hour after sampling

Tetrazepam - Serum

TETRA *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Thallium - plasma

THALS *

2mL EDTA Plasma ° Refrigerated

 3 weeks °

Thallium - urine

THALU *

5mL urine ° Refrigerated

 3 weeks °

 T9 : Urine flasks 70 ml

Theophylline - serum

THEO

1mL Serum ° Refrigerated

 1 day ° Immuno turbidimetry

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
Always draw blood at the same time before another administration

Thiocyanates - ion - Serum

CYANP *

2mL Serum (do not use tubes with separator gel) ° Refrigerated

 2 weeks ° Spectrophotometry

 Collect prior to new drug intake, always indicate the clinical context

Thiocyanates - ion - urine

CYAN *

1tube(s) urine sample ° Refrigerated

 2 weeks ° Spectrophotometry

 Collect prior to new drug intake, always indicate the clinical context

 Tube for urine sample (4mL)-T28

Thiols - plasma

THIOL *

1mL Lithium heparin plasma ° FROZEN

 3 weeks ° Chemistry - Spectrophotometry

 Refrigerated centrifugation (10 minutes/4000 rpm)
Sample to be frozen within 1 hour. Home sampling is not advisable.
Identification of the aliquot tubes: name and date of birth of the patient and name of the test.

Thiopurine S-methyltransferase - genotyping - whole blood

TPMT *

5mL EDTA whole blood ° Refrigerated

 8 weeks ° Molecular biology

 ALWAYS attach the medical prescription, medical certificate and patient consent form
Short sample stability. Please ensure the sample is shipped to us on the exact same date of the extraction.
Test outsourced. Avoid delivering the sample on Fridays or Saturdays.

Thiopurine S-Méthyltransférase(TPMT) - activity

ACTPM *

5mL Lithium heparin whole blood (do not use gel separator tubes) ° Refrigerated

 8 weeks ° Hight Performance Liquid Chromatography

 To be referred on the day of sample collection. Do not collect prior to bank holidays or weekends
Collect samples from Monday to Wednesday

Thioridazine - Serum

THIO *

2mL Serum (do not use tubes with separator gel) ° Refrigerated

 2 to 3 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)

Thrombin clotting time - plasma

TT

1mL Citrated Plasma ° FROZEN

 1 day ° Chronometric method

 ALWAYS specify the current anticoagulant treatment Attach the clinical data relating to the patient (major inflammatory syndrome, pregnancy, etc.) and the circumstances (bleeding, thrombosis, preoperative evaluation, etc.)
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Thromboxane B2 TxB2 - serum - Thromboxane B2 TxB2

TBX2 *

4mL Serum ° FROZEN

 3 weeks °

 Sample on dry tube, then place for 1 h at 37°C. Then centrifuge, retrieve the serum and freeze immediately

Thymidine kinase - Serum

TKREA *

1mL Serum (do not use tubes with separator gel) ° FROZEN

 3 weeks ° Radioimmunoassay

Thyroglobulin - biological fluid

THYRD

2mL Biological fluid ° FREEZE

 5 days ° Chemiluminescence

 ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Thyroglobulin - serum

THYRO

1mL Serum ° Refrigerated

 1 day ° Chemiluminescence

 **ATTENTION:** interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Thyroxine-binding globulin - TBG - serum

TBG

1mL Serum ° FROZEN

 2 weeks (if dilution/control needed - TAT 4 weeks ° Radioimmunoassay

Tianeptine - serum

TIAN *

2mL Serum ° FROZEN

 10 days ° HPLC - High Performance Liquid Chromatography / DAD

 Do not use tubes with phase separator
1 individual aliquot for this analysis.
In accordance with the regulation, all requests must ALWAYS contain:
- the sampling date and time, the date and time of the last dose
- the reasons for the prescription (efficiency and/or toxicity test)
- the treatment start date and/or the date of any change of dosage
- the subject's age, height and weight, when possible
- the dosage data (quantity administered, frequency, administration route)
- the medical follow-up sheet

Tiapride - Serum

TIAPR *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Tick-borne encephalitis - TBE - IgG/IgM serology - serum

TBE *

1mL Serum ° Refrigerated

 2 weeks ° Enzyme-immunoassay

 Enclose the specific clinical information form (R35-INTGB : Infectiology)

Tin

ETAIN *

2mL heparinised plasma (do not use tubes with gel separators) ° Refrigerated

 2 weeks ° Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

Tin - urines

ETAU *

50mL 24hr Urine collection ° Refrigerated

 2 weeks ° Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

 T9 : Urine flasks 70 ml

Tipranavir - Serum

TIPRA *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R6-INTGB : Anti retroviral treatment)

Tissue plasminogen activator - tPA - antigen - plasma

APLA

1mL Citrated Plasma ° FROZEN

 1 month ° Enzyme-immunoassay

 1 individual aliquot for this analysis.
Please label the request in words and do not use abbreviations
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Titanium

TITAN *

1mL heparinised plasma (do not use tubes with gel separators) ° Refrigerated

 1 month ° Optical Emission Spectrometry with Inductively Coupled Plasma (ICP-OES)

Titanium - biological fluid

TITAD *

2mL Biological fluid ° Refrigerated

 10 days ° Optical Emission Spectrometry with Inductively Coupled Plasma (ICP-OES)

Titanium - urine

TITAU *

15mL urine ° Refrigerated

 15 days ° Optical Emission Spectrometry with Inductively Coupled Plasma (ICP-OES)

 T9 : Urine flasks 70 ml

TNF-alpha - Tumour Necrosis Factor - serum

TNF

1mL serum (do not use 10 mL tube) ° FROZEN

 3 weeks ° Chemiluminescence

Tobramycin - serum

TOB

1mL Serum ° FREEZE before sending

 1 day ° Immunoenzymatic method

 1 specific aliquot for this analysis
Enclose the specific clinical information form (R18-INTGB : Infectious agents)
Residual level = before injection; Peak = 30 min after end of infusion or 1 hr after IM injection

Tocilizumab - serum

TOCI *

1mL Serum ° FROZEN

 3 weeks ° Enzyme-immunoassay

 Always draw blood at the same time before another administration

Toluene - urine

TOLU *

10mL urine sample ° Refrigerated

 2 weeks ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 Glass container with PTFE stopper, supplied upon request
Sample at end of work shift

 T18 : Glass flask, PFTE lid for organic solvents detection - urine

Toluene - whole blood

TOLS *

5mL EDTA whole blood or Heparin ° Refrigerated

 1 month ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 Do not use tubes containing merthiolate
Sample at end of work shift
Transfer whole blood into a special glass tube with a PTFE lid

 T17 : Glass tube, PTFE lid for organic solvents detection - blood

Topiramate - serum

TOPIR

1mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° LCMS/MS

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration
The following examinations can be performed on the same sample: Levetiracetam; Gabapentine; Lamotrigine; Oxacarbazepine/10-OH-Carbazepine; Topiramate.

Toscana virus - direct diagnosis - PCR

TOSBM

[Indéfinie] Plasma EDTA, Sérum, Urines, salive ° Refrigerated

 3 days ° RT - PCR in real time

 The use of the S14UK transport bag is Mandatory.

 S14: Special mycobacteria transport bags are to be used

Total IgE - serum

IGE

1mL Serum ° Refrigerated

 1 day ° Electrochemiluminescence

 ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Total IgE - tears

IGEL

400µL Tears ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay

 Tear sampling conducted by an ophthalmologist

Total protein S - antigen - plasma**PSAG**

1mL Citrated Plasma ° FROZEN

 1 week ° Enzyme-immunoassay

 Enclose the specific clinical information form (R5-INTGB : Haemostasis)
1 individual aliquot for this analysis.
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Total T3 - Total triiodothyronine - serum**T3TOT**

1mL Serum ° Refrigerated

 1 day ° Electrochemiluminescence

 ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Total T4 - Total thyroxine - serum**T4TOT**

1mL Serum ° Refrigerated

 2 days ° Electrochemiluminescence

 ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Toxicological screening - Serum**SCRIB ***

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° Hight Performance Liquid Chromatography

Toxicological screening - urines**SCRUI ***

6mL Urines ° FREEZE

 10 days ° Hight Performance Liquid Chromatography

Toxocariasis - confirmation serology - serum**TOXC**

1mL serum (do not use 10 mL tube) ° Refrigerated

 4 days ° Western-Blot

Toxocariasis - serology - serum

TCAR

1mL serum (do not use 10 mL tube) ° Refrigerated

 3 days ° Enzyme-immunoassay

 If positive, the confirmation test is automatically performed.

Toxoplasmosis

TOXWB *

1 mL of mothers serum + 1 mL of child's serum at 5 days old ° Refrigerated

 11 days ° Western-Blot

 Always indicate the clinical context
IMPORTANT: always associate the serum of the mother with that of the child (sampled on 5th day after birth) for profile comparison

Toxoplasmosis - antibody avidity - IgG - serum

TOXAV

1mL Serum ° Refrigerated

 2 days ° Chemiluminescence

 On specific request

Toxoplasmosis - direct diagnosis - PCR

TOXBM

Bronchial secretions, BAL, aqueous humor, lymph node biopsy, cerebral biopsy, 1mL EDTA whole blood (for new born babies only) 0.5 mL (minimum) CSF: FROZEN °

 3 days ° Real-time PCR

 Biopsies must be placed in a dry tube as they are or with an M4RT transport medium.
The use of the S14UK transport bag is Mandatory.
All histological fixatives are forbidden.
Other biological samples must not be diluted, to be sent in a plain tube

Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Toxoplasmosis - direct diagnosis - PCR - amniotic fluid

TOXLA

5mL amniotic fluid ° Refrigerated

 1 week °

 Must include the request form (B3) and the patient's informed consent (D44)
The use of the S14UK transport bag is Mandatory.
Subsequently, please send us the pregnancy monitoring form (R10: monitoring-pregnancy-Infectious agents)

 S14: Special mycobacteria transport bags are to be used

Toxoplasmosis - IgG confirmation serology - serum

WBTXG

500µL Serum ° Refrigerated

 1 week ° western blot

Toxoplasmosis - IgG/IgM serology - serum

TOXO

1mL Serum ° Refrigerated

 3 days ° Chemiluminescence - Enzyme immunoassay

 In case of doubtful serology result, a confirmation test by westernblot is automatically performed, test code WBTXG ALWAYS specify the type: screening, screening check, follow-up, follow-up check, pregnancy screening, pregnancy screening check, pregnancy follow-up, pregnancy follow-up check or newborn

Toxoplasmosis - IgM confirmation - serum

TOXOM

1mL Serum ° Refrigerated

 2 days ° ELFA

TP53 gene - isolated

MYS53

[Indéfinie] 2 x 5 ml EDTA whole blood or 2 ml EDTA bone marrow or DNA extracted : (200ng of DNA minimum) ° Ambient temperature

 10 days (Results may require an extended turnaround time, one week, depending on the confirmation tests required by Sanger

 Sample must be refrigerated if transport is > 48 hours
Use the specific request form B8-INTGB: Malignant blood disorders

TPA - Tissue Polypeptide Antigen - serum

TPA

1mL Serum ° FROZEN

 3 days ° Chemiluminescence

 Centrifuge without delay, separate the supernatant and freeze
1 individual aliquot for this analysis.
Please label the request in words and do not use abbreviations
Not to be confused with tPA - Tissue Plasminogen Activator

Tramadol - Serum

TRAMA *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography / UV detection

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Transferrin - serum

SIDER

1mL Serum ° Refrigerated

 2 days ° Immuno turbidimetry

 ALWAYS specify the patient's age and gender

Trans-muconic acid - ttMA - urine

MUCOU *

10mL urine sample ° Refrigerated

 3 weeks ° HPLC - High Performance Liquid Chromatography / UV detection

 Collect the sample on a plastic container
Sample at end of work shift

 T9 : Urine flasks 70 ml

Trazodone - Serum

TRAZO *

1mL Serum (do not use tubes with separator gel) ° FROZEN

 15 days ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Treponema pallidum - Detection via PCR

TREBM

[Indéfinie] Mucocutaneous swab, genital
500 µL CSF
Lymph node biopsy or aspiration, cord blood, nasal secretions ° Refrigerated

 3 days ° Real-time PCR

 Biopsies should be placed as they are, in a dry tube .
The use of the S14UK transport bag is Mandatory.
other biological samples must not be diluted, to be sent in a plain tube
Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Triazolam - serum

TRIAZ *

2mL Serum ° FROZEN

 10 days ° HPLC - High Performance Liquid Chromatography / DAD

-  Do not use tubes with phase separator
1 individual aliquot for this analysis.
In accordance with the regulation, all requests must ALWAYS contain:
- the sampling date and time, the date and time of the last dose
 - the reasons for the prescription (efficiency and/or toxicity test)
 - the treatment start date and/or the date of any change of dosage
 - the subject's age, height and weight, when possible
 - the dosage data (quantity administered, frequency, administration route)
 - the medical follow-up sheet

Trichinosis - confirmation serology - serum

TRIWB

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Western-Blot

Trichinosis - IgG serology - serum

TRI

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Enzyme-immunoassay

-  If positive, the confirmation test is automatically performed.

Trichloroacetic acid + Trichloroethanol - TCE + TCA - urine

TRICU *

10mL urine sample ° Refrigerated

 21 days ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

-  Collect the sample on a plastic container
Sample at end of work shift
-  T9 : Urine flasks 70 ml

Trichloroethylene - whole blood

TCES *

5mL EDTA whole blood or Heparin ° Refrigerated

 2 weeks ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

-  Transfer whole blood into a special glass tube with a PTFE lid
-  T17 : Glass tube, PTFE lid for organic solvents detection - blood

Trichloromethane - whole blood

CHLOR *

5mL EDTA whole blood or Heparin ° Refrigerated

 2 weeks ° Gas Phase Chromatography / electron captors

 Transfer whole blood into a special glass tube with a PTFE lid

 T17 : Glass tube, PTFE lid for organic solvents detection - blood

Trichomonas vaginalis - direct diagnosis - PCR

TRIBM

2mL Genital sample, urine ° Refrigerated

 3 days ° Real-time PCR

 The use of the S14UK transport bag is Mandatory. other biological samples must not be diluted, to be sent in a plain tube
Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Trihexyphenidyl - Serum

TRIHE *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 Collect prior to new drug intake, always indicate the clinical context
1 individual aliquot for this analysis.

Trimethylamine - urines

TRIMX *

10mL Urines ° FREEZE before sending

 8 days °

Trimipramine - Serum

TRIMI *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 1 week ° Liquid Phase Chromatography / Mass Spectrometry (LC-MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

5mL EDTA whole blood ° Ambient temperature

 3 weeks °

Trisomy 21 - 1st trimester combined screening - serum

P21

3mL Serum (do not use plasma) ° Refrigerated

 3 days ° Fluoro-Immunoassay (time resolved)

 Non hemolysed, non-icteric, non lipemic sample. Sample must be centrifuged as quickly as possible and international samples must be frozen within 4 hours of sampling.
Please conserve an additional sample in your serolibrary until you have received the result.
In accordance with French regulation, ALWAYS attach the prescription, a copy of the ultrasound report and a copy of the patient consent form, signed by both the patient and the physician.

Trisomy 21 - maternal serum markers - 2 parameters - serum

21T

3mL Serum (do not use plasma) ° Refrigerated

 3 days ° Fluoro-Immunoassay (time resolved)

 Non hemolysed, non-icteric, non lipemic sample. Sample must be centrifuged as quickly as possible and international samples must be frozen within 4 hours of sampling.
Please conserve an additional sample in your serolibrary until you have received the result.
In accordance with French regulation, ALWAYS attach the prescription, a copy of the ultrasound report and a copy of the patient consent form, signed by both the patient and the physician.

Trisomy 21 - maternal serum markers - 3 parameters - serum

E21

3mL Serum (do not use plasma) ° Refrigerated

 3 days ° Fluoro-Immunoassay (time resolved)

 Non hemolysed, non-icteric, non lipemic sample. Sample must be centrifuged as quickly as possible and international samples must be frozen within 4 hours of sampling.
Please conserve an additional sample in your serolibrary until you have received the result.
In accordance with French regulation, ALWAYS attach the prescription, a copy of the ultrasound report and a copy of the patient consent form, signed by both the patient and the physician.

Tropheryma whipplei - direct diagnosis - PCR

WHIBM

BAL, Plasma or EDTA whole blood, serum, biopsy, stool, puncture fluid, saliva, 0.5 mL CSF (minimum), urine ° Refrigerated

 3 days ° Real-time PCR

 Biopsies should be placed as they are, in a dry tube .
The use of the S14UK transport bag is Mandatory.
All histological fixatives are forbidden.
other biological samples must not be diluted, to be sent in a plain tube
Swab collection requires the use of a virus transport medium provided in the K13 kit.

 K1: Virus screening kit by culture or PCR

Troponin C.I HS

TROPI

1mL serum ° FREEZE

 1 day ° CMIA

 Attach the clinical data
Centrifuge, decant and freeze for 30 min to 2 hours. Avoid glass tubes.

Trypanosoma cruzi - confirmation - serum

WBTRY

500µL serum (do not use 10 mL tube) ° Refrigerated

 7 days ° Western-Blot

Trypanosoma cruzi - serology - serum

TRYPA

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Indirect immunofluorescence

Trypanosoma gambiense - screening - CSF

TRYPL *

1mL CSF ° Refrigerated

 1 week ° Immunofluorescence

Trypanosoma gambiense - serology - CSF

TRYL *

1mL CSF ° Refrigerated

 15 days ° Agglutination (CATT) and Immunofluorescence

Trypanosoma gambiense - serology - serum

TRY5 *

1mL Serum ° Refrigerated

 15 days ° Agglutination (CATT) and Immunofluorescence

Tryptase - serum

TRYPT

1mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay

 Sample taken as soon as possible after anaphylactic shock, and then at +2 hrs and +8 hrs

 K2: Sampling kit - use only in case of anaphylactic shock

Tryptophan

TRYPO

1mL heparinised plasma (do not use tubes with gel separators) ° FROZEN

 2 weeks ° LCMS/MS

 Enclose the specific clinical information form (R26-INTGB : Metabolic Biochemistry)
Sample to be frozen within 1 hour. Home sampling is not advisable.
1 individual aliquot for this analysis.

TSH - Thyroid-stimulating hormone - Third generation - serum

TSH

1mL Serum ° Refrigerated

 1 day ° Electrochemiluminescence

 ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Tuberculosis complex - Detection of the coding rpoB gene mutation for rifampicin resistance by PCR

RPOB

Pulmonary, tissue or puncture fluid sample
Urine (30 ml), CSF (1 ml) ° Refrigerated

 2 days ° Real-time PCR

 Enclose the specific clinical information form (R12-INTGB : Mycobacteria)
The use of the S14UK transport bag is Mandatory.

 S14: Special mycobacteria transport bags are to be used

Tularemia - Francisella tularensis - serology - serum**TUL**

1mL serum (do not use 10 mL tube) ° Refrigerated 4 days ° Chemiluminescence

Type III procollagen - serum**P3P**

1mL Serum ° FROZEN 2 weeks (if dilution/control needed - TAT 4 weeks °
Radioimmunoassay Centrifuge, Decant, freeze rapidly

Tyrosine**TYROS**

1mL heparinised plasma (do not use tubes with gel separators) ° FROZEN 1 week ° HPLC - High Performance Liquid Chromatography Enclose the specific clinical information form (R1-INTGB :
Amino Acids - Organic Acids)
Sample in a fasting state (for infants, draw sample 3-4
hours after bottle)
Sample to be frozen within 1 hour. Home sampling is not
advisable.
1 individual aliquot for this analysis.

tyrosine kinase ABL mutation**ABLR ***

5 mL EDTA whole blood or 5 mL bone marrow ° Ambient temperature 1 month ° sequencing Sample must be refrigerated if transport is > 48 hours
Use the specific request form B8-INTGB: Malignant blood
disorders
Attach:
- the current clinical and therapeutic data
- the results of the FBC - platelets
- the previous BCR-ABL quantification results, if follow-up
is not performed in the laboratory

Tyrosinemia type I - succinylacetone - urines**SUCIX ***

10mL Urine sample ° FROZEN 3 weeks °

Tyrosine - urine

TYROU

2tube(s) Early morning urine (fasting) ° FROZEN

 1 week ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R1-INTGB : Amino Acids - Organic Acids)
Fasting sample
Sample to be frozen within 1 hour. Home sampling is not advisable.

 Tube for urine sample (4mL)-T28

UDP galactose epimerase - whole blood

GALE *

1mL EDTA whole blood ° Ambient temperature

 3 weeks °

UGT1A1 : screening for UGT1A1*28(rs8175347) polymorphism - Involved in irinotecan metabolism

UGT1A

1tube(s) Lithium heparin whole blood (do not use gel separator tubes) ° Refrigerated

 10 days ° Real-time PCR

 1 specific aliquot for this analysis
According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist

Uniparental disomy - UPD

DUPRE

Cultivated amniotic fluid, cultivated trophoblasts ° Ambient temperature

 3 weeks ° Microsatellites study via QFPCR on chromosomes 7, 14, 15

 5 ml of whole blood on EDTA from each parent (quotation on request) is required to perform this test
Enclose the specific B12-INTGB request form: Molecular Genetics
ALWAYS attach the medical prescription, the clinical patient's history and the consent form signed by both the patient and the prescribing clinical

Uniparental disomy - UPD - whole blood

DUP

5mL EDTA whole blood ° Ambient temperature

 1 week ° Microsatellites (14, 15, 7, 11, 16, 20). Fluorescent sequence analysis (PCR)

 5 ml of whole blood on EDTA from each parent (quotation on request) is required to perform this test
According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Enclose the specific B12-INTGB request form: Molecular Genetics

Uracile - dosage(search a risk of toxicity to fluoropyrimidines)

5FUU

2tube(s) lithium heparin plasma (do not use tubes with separator gel) ° FREEZE before sending

 5 days ° LCMS/MS

 Centrifuge the sample and decant rapidly
The blood must be drawn before any chemotherapy or at least 1 week after the last course of treatment.
Freeze the sample within 1 hour after sampling

Uric acid

URIU

1tube(s) alkalinised 24 h urine (pH > 8) ° Refrigerated

 2 days ° Chemistry - Spectrophotometry

 Urine alkalinised with sodium hydroxide to pH > 8
Specify diuresis

 Tube for urine sample (4mL)-T28

Uric acid - biological fluid

URID

1mL Biological fluid ° Refrigerated

 2 days ° Chemistry - Spectrophotometry

Uric acid - serum

URIC

1mL Serum ° Refrigerated

 2 days ° Chemistry - Spectrophotometry

Urinary stone - morphologic and infrared analysis

CAL

stone(s) or filtered urinary deposit ° Ambient temperature

 14 days ° Morphological analysis and infrared spectrophotometry (SPIR)

 Enclose the specific clinical information form (R32-INTGB urinary tract lithiasis)
Send the entire calculus, previously washed and dried in a sterile container which does not contain any compound (no borate in particular). Urines is not accepted.

Urogenital mycoplasma - culture

MYCC *

Urine 1st Stream, vaginal sample, endocervical, urethral, sperm, coelioscopy fluid, joint fluid, CSF, haemoculture supernatant.
In neonates : throat, naso-pharyngeal secretions, eyebrushing, bronchial aspirate ° Refrigerated

 4 days ° Culture

-  The use of the S14UK transport bag is Mandatory.
Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology
Liquid samples are transported as is at +4°C
Swab samples should be transported in a mycoplasma-specific transport medium.
E-swab collection device in mycoplasma medium
UTM1MLR, UTM3MLR, UTM 1MLN transport media (Copan)
REMEL M5 transport medium (Thermo Scientific)
Some media are accepted but not recommended (risk of obtaining results that cannot be interpreted due to bacterial contamination of the commensal flora):
E-swab collection device in AMIES transport medium
AMIES transport medium

 S14: Special mycobacteria transport bags are to be used

Urogenital mycoplasma - serology - serum

MYCGE

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Metabolic Inhibition

-  At a distance (72 h minimum) from any antibiotic treatment

Ustekinumab - serum

USTEK *

1mL Serum ° FROZEN

 3 weeks ° Enzyme-immunoassay

-  Always draw blood at the same time before another administration

Valproic acid - serum

VALP

1mL Serum ° Refrigerated

 1 day ° Enzyme-immunoassay

-  Enclose the specific clinical information form (R13-INTGB : Medication quantification)
Always draw blood at the same time before another administration

Vanadium - urine

VANAU *

10mL urine sample ° Refrigerated

 3 weeks ° Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

-  Sample 16 hrs after end of work shift on plastic container
-  T9 : Urine flasks 70 ml

Vancomycin - serum

VANC

1mL Serum ° FREEZE before sending

 1 day ° Enzyme-immunoassay

-  1 specific aliquot for this analysis
Enclose the specific clinical information form (R18-INTGB : Infectious agents)
Sampling time: residual level = before IV injection; post-injection peak = 45 to 60 min after end of IV infusion

Vanilmandelic acid - Urine

VMA

[Indéfinie] Adult: 1 aliquot in tube urine of homogenized 24H.
Child: 2 aliquots in tube urine from urination. ° FROZEN

 4 days ° LCMS/MS

-  Adult : specify the diuresis (volume of urine of 24H).
Child(<18 years):
The determination of urinary creatinine and homovanillic acid (HVA) are carried out systematically.
Freeze quickly after the end of the collection.
Urine has to be stored refrigerated during the collection process
No need of specific diet anymore.
Do not transmit pot
Adult: mandatory diuresis
-  Tube for urine sample (4mL)-T28

Varicella zoster virus - direct diagnosis - PCR

VZVBM

500µL Cutaneous mucus samples, ocular samples, bronchial secretions, BAL, 1 ml EDTA whole blood: +4°C 0.5ml (minimum)
CSF: FROZEN °

 3 days ° Real-time PCR

-  The use of the S14UK transport bag is Mandatory.
other biological samples must not be diluted, to be sent in a plain tube
Swab collection requires the use of a virus transport medium provided in the K13 kit.
-  K1: Virus screening kit by culture or PCR

Varicella zoster virus - direct diagnosis - PCR - amniotic fluid

VZVLA

5mL amniotic fluid ° Refrigerated

 1 week ° Real-time PCR

-  Must include the request form (B3) and the patient's informed consent (D44)
The use of the S14UK transport bag is Mandatory.
Subsequently, please send us the pregnancy monitoring form (R10: monitoring-pregnancy-Infectious agents)
-  S14: Special mycobacteria transport bags are to be used

Varicella zoster virus - IgG serology - serum**VARZG**

1mL Serum ° Refrigerated

 2 days ° Chemiluminescence Storage temperature (2-8°C) < 7 days during transport of specimen.
On specific request

Varicella zoster virus - IgM Serology - serum**VARZM**

1mL Serum ° Refrigerated

 2 days ° Chemiluminescence Storage temperature (2-8°C) < 7 days during transport of specimen.

Vascular Endothelial Growth Factor (VEGF) - serum**VEGF**

1mL serum (do not use 10 mL tube) ° FREEZE

 3 weeks ° Chemiluminescence

VASP - VAsodilatator Stimulated Phosphoprotein - whole blood**VASP**

2mL Citrated whole blood ° Ambient temperature

 2 days ° Flow Cytometry Use non-wettable plastic sample tubes
[To be translated]
Specify the type of molecule, the number of tablets per day and the clinical context.

Vedolizumab - serum**VEDO ***

1mL Serum ° FROZEN

 3 weeks ° Enzyme-immunoassay Always draw blood at the same time before another administration

Venlafaxine - serum

VENLA

2mL Serum (do not use tubes with separator gel) ° FROZEN

 9 days ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.
Always draw blood at the same time before another administration
The following examinations can be performed on the same sample: Citalopram; Duloxetine; Fluoxetine; Fluvoxamine; Mirtazapine; Paroxetine; Sertraline; Venlafaxine.

Venom and insect allergy panel - specific IgE

PANIN

2mL Serum ° Refrigerated

 3 days ° Fluorescent enzyme-immunoassay - Phadia-ThermoFisher Scientific

 Use the specific request form B62: allergological panel

Verapamil - Serum

VERAP *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 3 weeks ° Liquid Phase Chromatography / Mass Spectrometry (LC-MS)

 Please specify the clinical context (overdose/ pharmacology follow-up). Overdose: please specify the supposed time of intake. Pharmacology follow-up : residual level (just before drug intake) performed on equilibrium state (5 half-lives at constant posology)
1 individual aliquot for this analysis.

Vesicular eruptions panel - direct diagnosis - PCR

PEV

Whole blood or blood derivatives, Mucocutaneous swab ° Refrigerated

 3 days ° Real-time PCR

 The use of the S14UK transport bag is Mandatory.
 K1: Virus screening kit by culture or PCR

Vigabatrin - Serum

SABRI *

1mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° Liquid Phase Chromatography / Fluorimetry

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Viloxazine - Serum

VILOX *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 10 days ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

VIP - Vasoactive Intestinal Polypeptide - plasma

VIP

1mL EDTA plasma + Aprotinine - non haemolysed ° FROZEN

 10 days ° Radioimmunoassay

 Refrigerated centrifugation
Sample on special tube (EDTA + Aprotinin) supplied on request.
Sample to be frozen within 1 hour. Home sampling is not advisable.

 T2 : EDTA + aprotinine tube

viral meningoencephalitis panel - direct diagnosis - PCR - CSF

MENVI

CSF ° Refrigerated

 3 days ° Real-time PCR

 The use of the S14UK transport bag is Mandatory.

Vitamin A - Retinol - Plasma

VA

2mL Heparin plasma (do not use separator gel) ° FROZEN

 4 days ° HPLC - High Performance Liquid Chromatography

 Sample to be frozen within 90 minutes . Home sampling is not advisable.
If requested with vitamin E, 1 specific aliquot for both assays.
Store samples protected from light but do not pack the tube.

Vitamin B12 - serum

B12

1mL Serum ° Refrigerated

 1 day ° Chemiluminescence

 ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Vitamin B1 - Thiamin

VB1ST

2mL EDTA whole blood (do not use tubes with separator gel) ° FROZEN

 6 days ° LCMS/MS

 Store samples protected from light but do not pack the tube.

Vitamin B2 - Riboflavin

VB2

1mL EDTA whole blood (do not use tubes with separator gel) ° FREEZE

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Whole blood (imperative)
1 individual aliquot for this analysis.
Store samples protected from light but do not pack the tube.

Vitamin B6 - Pyridoxal phosphate

VB6ST

2mL EDTA whole blood (do not use tubes with separator gel) ° FROZEN

 6 days ° LCMS/MS

 1 individual aliquot for this analysis.
Store samples protected from light but do not pack the tube.

Vitamin B8 or H - Biotin

VB8

2mL lithium heparin plasma (do not use tubes with separator gel) ° Refrigerated

 2 weeks ° Immunoenzymatic method

 Store samples protected from light but do not pack the tube.

Vitamin C - Ascorbic acid

VCP

2mL lithium heparin plasma (do not use tubes with separator gel) ° FREEZE

 7 days ° HPLC - High Performance Liquid Chromatography

 Centrifuge and freeze within 20 minutes
Sample to be withdrawn in your lab on Monday, Tuesday or Wednesday exclusively and to be sent to Eurofins on the day of blood withdrawal; SHELF LIFE OF FROZEN LITHIUM HEPARIN PLASMA: 48 HOURS BEFORE TECHNICAL USE.
1 individual aliquot for this analysis.
Store samples protected from light but do not pack the tube.

Vitamin D - 1,25-dihydroxyvitamin D - serum**125D**

3mL Non haemolysed serum ° Refrigerated

 3 days ° CLIA

Vitamin D - 25-hydroxyvitamin D - D2 + D3 - serum**25D**

1mL Serum ° Refrigerated

 1 day ° Chemiluminescence

ATTENTION: interference possible in patients treated with biotin (vitamin B7, B8 or H) or taking any food supplement containing biotin. Essential to STOP treatment 8 days before taking the sample.

Vitamin E - Tocopherol - Plasma**VE**

2mL Heparin plasma (do not use separator gel) ° FROZEN

 4 days ° HPLC - High Performance Liquid Chromatography

Sample to be frozen within 90 minutes . Home sampling is not advisable.
If requested with vitamin A, 1 specific aliquot for both assays.
Store samples protected from light but do not pack the tube.

Vitamin K1 - Phylloquinone**VK**

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° LCMS/MS

Sample to be frozen within 90 minutes . Home sampling is not advisable.
Store samples protected from light but do not pack the tube.

Vitamin PP - Niacin**VPP**

2mL EDTA whole blood (do not use tubes with separator gel) ° FROZEN

 3 weeks ° Ultra Hight Pressure Liquid Chromatography (UHPLC)

1 individual aliquot for this analysis.
Store samples protected from light but do not pack the tube.

Von Willebrand factor - antigen - plasma

WILAG

1mL Citrated Plasma ° FROZEN

 1 day ° Immunological turbidimetric method

 Enclose the specific clinical information form (R5-INTGB : Haemostasis)
Plasma with platelets removed by double centrifugation:
2500 g 15 min
Send us the ABO blood group result. For desmopressin testing (Octim®, Minirin®) please indicate the time period for each tube (T0, T+1hr etc.)
Could you please provide the us the PFA-100 result, if available
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Von Willebrand factor - plasma

WIL

1mL Citrated Plasma ° FROZEN

 1 day ° Immunological turbidimetric method

 Enclose the specific clinical information form (R5-INTGB : Haemostasis)
Plasma with platelets removed by double centrifugation:
2500 g 15 min
Send us the ABO blood group result. For desmopressin testing (Octim®, Minirin®) please indicate the time period for each tube (T0, T+1hr etc.)
In the event of screening for von Willebrand disease, ristocetin cofactor activity and factor VIII coagulant activity are carried out first. Von Willebrand factor antigen is performed only performed if the functional assay (activity) is decreased
Could you please provide the us the PFA-100 result, if available
It is advisable to send us a frozen and centrifuged citrate sample in compliance with the GFHT pre-analytical recommendations.

Voriconazole - Serum

VORI *

3mL Serum (do not use tubes with separator gel) ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography / UV detection

 Enclose the specific information form R8 INTGB anti-fungal agents and anti-tuberculosis drugs
1 individual aliquot for this analysis.

Vortioxétine - Serum

VORTI *

1mL Serum (do not use tubes with separator gel) ° FROZEN

 15 days ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Water - free - clearance

CLEAU

Urine + heparin plasma ° Refrigerated

 2 days ° Cryoscopy

 Fasting sample
Specify diuresis
Specify the urine collection time

West Nile virus - direct diagnosis - PCR

WNVBM

0.5 mL CSF
2 mL EDTA plasma, serum
2 ml urines ° Refrigerated

 3 days ° RT - PCR in real time

 Sample to be collected up to 7 days after the clinical symptoms onset
Always enclose the specific clinical information form (R28-INTGB : Dengue and/or Chikungunya and/or West Nile and/or Zika PCR)
The use of the S14UK transport bag is Mandatory.
 S14: Special mycobacteria transport bags are to be used

West Nile virus - IgG/IgM serology - serum

WNV

1mL serum (do not use 10 mL tube) ° Refrigerated

 2 weeks ° Chemiluminescence

 Enclose the specific clinical information form (R28-INTGB : Dengue-Chikungunya-West Nile-Zika)

Whooping cough - Bordetella pertussis and parapertussis - direct diagnosis - PCR

COQBM

Endonasal or nasopharyngeal swabs, bronchial secretions, nasopharyngeal aspirations ° Refrigerated

 3 days ° Real-time PCR

 Please attach the specific clinical information sheet (K13P-INTGB: whooping cough diagnosis)
The test is not relevant if cough is persisting for more than 3 weeks
The use of the S14UK transport bag is Mandatory.
other biological samples must not be diluted, to be sent in a plain tube
Swab collection requires the use of a virus transport medium provided in the K13 kit.
 K13UK: Sampling kit-Whooping Cough diagnosis by PCR

Xanthine - urine

XANTU *

20mL urine sample ° FROZEN

 3 months °

 Freeze the sample within 1 hour after sampling

Xylenes - urine

XYLU *

10mL urine sample ° Refrigerated

 2 weeks ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

-  Glass container with PTFE stopper, supplied upon request
-  T18 : Glass flask, PTFE lid for organic solvents detection - urine

Xylenes - whole blood

XYLEN *

5mL EDTA whole blood or Heparin ° Refrigerated

 2 weeks ° Gas Phase Chromatography / Mass Spectrometry (GC-MS)

-  Do not use tubes containing merthiolate
Sample at end of work shift
Transfer whole blood into a special glass tube with a PTFE lid
-  T17 : Glass tube, PTFE lid for organic solvents detection - blood

Xylose - serum

XYL *

2mL Serum ° FROZEN

 1 week ° Chemistry - Spectrophotometry

-  2 serums:
One at T0, before Xylose intake.
One at T+1HOUR after Xylose intake (5g for adults/ 0.7g per kg for children) Fasting patient
Fasting sample
Test performed as part of D-xylose test.

Y chromosome - (regions AZFs, AZFb, AZFc) - whole blood

DELY

5mL EDTA whole blood ° Ambient temperature

 9 days ° Multiplex PCR

-  According to regulation, each request must ALWAYS be accompanied by a consent form signed by the patient and the prescribing pathologist
Sample must be refrigerated if transport is > 48 hours
Enclose the specific B12-INTGB request form: Molecular Genetics

Yeasts - antifungal susceptibility testing - various specimen

AMYC *

Various types of specimen ° Ambient temperature

 2 weeks °

-  Enclose the specific request form B18 : Bacteriology-Parasitology-Mycology
-  S10: Diagnobox (three layers of sealed packaging)

Yellow Fever - immunity test - serum

FJAC

*

2mL Serum ° Refrigerated

 15 days ° Neutralisation test

 This test is designed to measure anti viral immunity

Zidovudine - plasma

ZIDO

*

3mL EDTA Plasma centrifuged immediately ° FROZEN

 3 weeks ° HPLC - High Performance Liquid Chromatography / UV detection

 Sample at TO (before intake) T1H and T3H (after intake)
Enclose the specific clinical information form (R6-INTGB : Anti retroviral treatment)

Zika - direct diagnosis - PCR

ZIKBM

2mL EDTA plasma, Serum, Urines, saliva, sperm ° Refrigerated

 3 days ° Real-time PCR

 Enclose the specific clinical information form (R28-INTGB : Dengue-Chikungunya-West Nile-Zika)
The use of the S14UK transport bag is Mandatory.
[To be translated]

 S14: Special mycobacteria transport bags are to be used

Zika - serology - serum

ZIKA

1mL serum (do not use 10 mL tube) ° Refrigerated

 1 week ° Enzyme-immunoassay

 Enclose the specific clinical information form (R28-INTGB : Dengue-Chikungunya-West Nile-Zika)

Zika - viral RNA detection - PCR - amniotic fluid

ZIKLA

8mL amniotic fluid ° Refrigerated

 5 days ° Real-time PCR

 Must include the request form (B3)
ALWAYS attach the clinical information form for Dengue-Chikungunya-Zika infection (R28-INTGB) and the consent form signed by the patient and the prescribing pathologist
The use of the S14UK transport bag is Mandatory.
Subsequently, please send us the pregnancy monitoring form (R10: monitoring-pregnancy-Infectious agents)

 S14: Special mycobacteria transport bags are to be used

Zinc

ZN

2mL Sodium heparin plasma ((do not use tubes with separator gel) ° Refrigerated

 4 days ° ICP/MS

 Centrifuge the sample and decant rapidly
Not to be performed on haemolysed sample
Spin down and immediately decant plasma from cells.
Immediately decant the plasma.(maximum 1 hour)

 T4 : Sodium Heparin tube

Zinc - seminal plasma

ZNSP

1mL Seminal plasma on fluoridated tube ° FROZEN

 15 days ° ICP/MS

 Sample to be collected after 2 to 8 days of abstinence.
Always indicate the ejaculate volume, the pH, sperms count and abstinence period.
Centrifuge and freeze the supernatant immediately.

Zinc - urines

ZNU *

20mL End of shift urine ° Refrigerated

 15 days ° ICP/MS

 T9 : Urine flasks 70 ml

Zolpidem - Serum

ZOLPI *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB :
Medication quantification)
1 individual aliquot for this analysis.

Zonisamide - Serum

ZONI *

1mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° HPLC - High Performance Liquid Chromatography

 Enclose the specific clinical information form (R13-INTGB :
Medication quantification)
1 individual aliquot for this analysis.

Zonulin - stool

ZONUL

20g Stool sample ° Refrigerated

 8 days ° ELISA

Zuclopenthixol - Serum

ZUCLO *

2mL Serum (do not use tubes with separator gel) ° FROZEN

 2 weeks ° Liquid chromatography / Tandem mass spectrometry (LC-TMS/MS)

 Enclose the specific clinical information form (R13-INTGB : Medication quantification)
1 individual aliquot for this analysis.

Zygoty - twinning study

ZYGO

Fresh amniotic fluid or cultivated, CVS ° Ambient temperature

 3 weeks ° Microsatellites Study by PCR

 ALWAYS attach the medical prescription, the clinical patient's history and the consent form signed by both the patient and the prescribing clinical

µBCR ABL - whole blood

BCRM *

5mL EDTA whole blood ° Ambient temperature or Refrigerated

 30 days ° RT - PCR

HPV

Endo-exocervical swab in PreservCyt® (Cytoc),BD SurePath® ° Ambient temperature

 2 days ° Real-time PCR

 [To be translated]
[To be translated]
The use of the S14UK transport bag is Red.

 K56 : Kit pour HPV

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A1 Antitrypsin - clearance	Alpha-1 Antitrypsin - clearance
A1-microglobulin	Alpha-1 Microglobulin - urine
A and B Influenza	COVID 19 / Influenza virus A and B - panel - direct diagnosis - PCR
A2-macroglobulin	Alpha-2 Macroglobulin - serum
A-fetoprotein	AFP - Alpha fetoprotein - fluid
A-fetoprotein	AFP - Alpha fetoprotein - serum
A-fetoprotein - amniotic fluid	AFP - Alpha-fetoprotein - amniotic fluid
A2M	Alpha-2 Macroglobulin - serum
AAC	Amino acids - chromatography - urine
Abacavir - plasma	
ABETA 1-42 protein	TAU - PTAU - Amyloid proteins - CSF
Abilify®	Aripiprazole
ABO blood grouping - RH1(D)	
ABO system immune antibodies - anti-A anti-B - screening and titration - serum	
AC ANTI RACH	Anti-acetylcholine receptor antibodies - serum
Ac anti soluble liver antigen	Anti-SLA antibodies - Soluble Liver Antigen - serum
ACC	Circulating Lupus anticoagulant - screening - plasma

ACD	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
ACD	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
ACE - Angiotensin Converting Enzyme	
ACE - Angiotensin Converting Enzyme - BAL	
ACE - Angiotensin Converting Enzyme - serum	
Acebutolol - serum	
Acetazolamide	Diuretics - screening and dosage - urine
Acetoacetate	Ketone bodies - Deproteinized heparin whole blood sample or CSF
Acetoacetic acid	Ketone bodies - Deproteinized heparin whole blood sample or CSF
Acetylcholine Esterase - amniotic fluid	
Acetylcholine receptor - anti-antibodies	Anti-acetylcholine receptor antibodies - serum
AChE - amniotic fluid	Acetylcholine Esterase - amniotic fluid
Aciclovir - plasma	
Acid Alpha-1 glycoprotein	Orosomuroid - serum
Acid phosphatases total - serum	
aCL	Anti-cardiolipin antibodies - IgM - serum
aCL-IgG	Anti-cardiolipin antibodies - IgG - serum
ACOA	Exome with interpretation interface
ACPA	Constitutional Molecular Karyotype-SNP ARRAY
ACPA	Constitutional Molecular Karyotype - SNP ARRAY - Product of conception
ACPA	Constitutional Molecular Karyotype-SNP ARRAY - whole blood
ACPA	exome
ACPA	Nephrology exome
ACPA (Anti-Citrullinated Protein Antibodies)	Anti-cyclic citrullinated peptide antibodies - CCP2 - serum
Acquired FISH	Haematological and molecular cytogenetics - FISH
Acquired karyotypes	Blood karyotype
acquired molecular cytogenetics	Haematological and molecular cytogenetics - FISH
ACTH - Corticotrophin	
ACTH - Corticotrophin - evening	
ACTH - Corticotrophin - morning	
Actin - anti-antibodies	Anti-actin antibodies - typing - serum
ActiTest	Fibrotest - Actitest - . - serum
ActiTest®	NASH-FibroTest - serum
ACTITEST	FibroMAX - . - serum
Activated Partial Thromboplastin Time - aPTT - plasma	
Activated protein C resistance - plasma	
Activated protein C resistance test	Activated protein C resistance - plasma
Active testosterone	Testosterone bioavailability - serum
activity - EDTA whole blood spot on Guthrie card	
Acute leukemia	Immunophenotyping of malignant hemopaties
ADA	Adenosine Deaminase - ADA
adalimumab	Adalimumab
Adalimumab	
ADAMTS13	Factor Willebrand protease activity - ADAMTS 13
Adefovir - plasma	
Adenocarcinoma	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
Adenosine Deaminase - ADA	
adenovirus	Adenovirus - serology - serum
Adenovirus	Respiratory Infection Panel - direct diagnosis - PCR
Adenovirus - screening - Stools	
Adenovirus - serology - serum	
Adenovirus F 40/41	Gastrointestinal Panel - direct diagnosis - PCR - Stools
Adenylosuccinase - deficiency syndrome screening - urine	
ADH - Antidiuretic hormone	
ADH - Antidiuretic hormone - urine	
Adoport	Tacrolimus - FK-506
adrenal androgen	DHEAS - Dehydroepiandrosterone sulfate - serum
Adrenal glands - anti-antibodies	Anti-adrenal gland antibodies - serum

Adrenaline	Catecholamines - free - Urine
Adrenaline	Free catécholamines
Adrenaline	Free catécholamines - children - urine
Adrenocortical hormones - anti-antibodies	Anti-adrenal gland antibodies - serum
Adrenocorticotrophic hormone	ACTH - Corticotrophin
ADV	Adenovirus - serology - serum
Advagraf	Tacrolimus - FK-506
Aerobic / anaerobic bacteria - MIC: Minimum Inhibitory Concentration	
Aerobic bacteria susceptibility testing	Aerobic bacterium - susceptibility testing
Aerobic bacterium - screening	
Aerobic bacterium - susceptibility testing	
Afinitor	Everolimus
Afipia felis	Bartonellosis - B. henselae - B. quintana - IgG serology - serum
AFP - Alpha fetoprotein - fluid	
AFP - Alpha fetoprotein - serum	
AFP - Alpha-fetoprotein - amniotic fluid	
African trypanosomiasis	Trypanosoma gambiense - serology - CSF
African trypanosomiasis	Trypanosoma gambiense - serology - serum
Age Check	Juvenalis - AgeCheck - man
Age Check	Juvenalis - AgeCheck - woman
Agenerase®	Amprenavir - Serum
Agenerase®	Fosamprenavir - Serum
AGL	Fatty acids free non-esterified - serum
AGNA	Anti- SOX1 antibodies - CSF
AGNA	Anti- SOX1 antibodies - serum
AGNE	Fatty acids free non-esterified - serum
Akineton®	Biperiden - serum
ALA	delta-Aminolevulinic acid - urine
ALA U-	delta-Aminolevulinic acid - urine
Alatop	Specific IgE : Inhalant allergen testing - Phadiatop®
Albuminuria	Proteins - dosage - urine
Aldactone	Diuretics - screening and dosage - urine
Aldosterone	
Aldosterone - Lying down	
Aldosterone - Standing or Sitting position	
Aldosterone - urine	
Aldrin	Pesticides - screening and/or dosage
Aldrin	Pesticides - screening and/or dosage - urine
Alepsal®	Phenobarbital - serum
Alimemazine - Serum	
Alkaline phosphatases - isoenzymes - serum	
Alkaline phosphatases - serum	
Alkaline phosphatases bone	
Alkaptonuria	Homogentisic acid
ALL	Immunophenotyping of malignant hemopaties
Allergens - food allergens - mix	Specific IgE : food allergens - allergen mix - serum
Allergens - food allergens - single	Specific IgE : Phadia - food allergens - single allergen
Allergens - hymenoptera venom	Specific IgE : hymenoptera venom - single allergen
Allergens - inhalant allergens - mix	Specific IgE : inhalant allergens - allergen mix
Allergens - inhalant allergens - single	Specific IgE - inhalant allergens - single allergen
Allergens - inhalant allergens - single	Specific IgE : Phadia - inhalant allergens - single allergen
Allergens - latex	Specific IgE : latex - single allergen
Allergens - medicines	Specific IgE medicines - single allergen - Hycor
Allergens - medicines	Specific IgE medicines - single allergen-Phadia
allo platelet immunisation	Anti-platelet antibodies bound or free - screening and identification
Allo-immunization against RH3	Fetal RH3(E) - genotyping
Allo-immunization against RH4	Fetal RHc - genotyping
ALP	Alkaline phosphatases - serum

ALP - isoenzymes	Alkaline phosphatases - isoenzymes - serum
Alpha interferon	Interferon alpha - biological fluid
Alpha interferon	Interferon alpha - CSF
Alpha interferon	Interferon alpha - serum
Alpha interferon - neutralizing antibody	Interferon alpha - neutralizing antibody - serum
Alpha subunit - hCG, FSH, LH, TSH - serum	
Alpha-1	Orosomuroid - serum
Alpha-1 Antitrypsin	Alpha-1 Antitrypsin - dosage - serum
Alpha-1 Antitrypsin - clearance	Alpha-1 Antitrypsin - clearance
Alpha-1 Antitrypsin - clearance	
Alpha-1 Antitrypsin - dosage - serum	
Alpha-1 Antitrypsin - PI phenotype - serum	
Alpha-1 Antitrypsin (SERPINA1 Gene) - Genotyping of S and Z variants (mutations)	
Alpha-1 Microglobulin - urine	
alpha-1-seromuroid	Orosomuroid - serum
Alpha-2 Antiplasmin - activity - plasma	
Alpha-2 Macroglobulin - serum	
Alpha-carotenes	Carotenoids
Alpha-fetoprotein	AFP - Alpha fetoprotein - fluid
Alpha-fetoprotein	AFP - Alpha fetoprotein - serum
Alpha-fetoprotein - amniotic fluid	AFP - Alpha-fetoprotein - amniotic fluid
Alpha-galactosidase A - EDTA whole blood spot on Guthrie card	
Alphavirusis	Chikungunya - IgG/IgM serology - serum
Alprazolam - Serum	
Altizide	Diuretics - screening and dosage - urine
Alzheimer	TAU - PTAU - Amyloid proteins - CSF
AM	Amphetamines - screening - urine
Amaril virus	Yellow Fever - immunity test - serum
amarile	Yellow Fever - immunity test - serum
Ambisome	Amphotericin B - Serum
AMDA	Myosite Markers - serum
AMH - Anti-Müllerian hormone	AMH - Anti-Müllerian hormone - Child - serum
AMH - Anti-Müllerian hormone	AMH - Anti-Müllerian hormone - serum
AMH - Anti-Müllerian hormone - Child - serum	
AMH - Anti-Müllerian hormone - serum	
Amibes	Gastrointestinal Panel - direct diagnosis - PCR - Stools
Amidolytic protein C assay	Protein C - activity - plasma
Amikacin - serum	
Amiklin®	Amikacin - serum
Amiloride	Diuretics - screening and dosage - urine
Amino acids - chromatography	
Amino acids - chromatography - CSF	
Amino acids - chromatography - urine	
Aminogram	Amino acids - chromatography
Aminogram	Amino acids - chromatography - CSF
Aminogram	Amino acids - chromatography - urine
Aminolevulinate	delta-Aminolevulinic acid - urine
Amiodarone - serum	
Amisulpride - Serum	
Amitriptyline - Serum	
AML	Immunophenotyping of malignant hemopaties
Ammonaemia - plasma	
Ammonia	Ammonaemia - plasma
Amoebae - test	Amoebiasis - serology - serum
Amoebiasis - serology	Amoebiasis - serology - serum
Amoebiasis - serology - serum	
Amoeboids - cysts screening	Parasitology - microscopy - Stools
Amoxapine - Serum	

Amoxicillin - Serum	
AMPA	CSF
Amphetamines - confirmation - urine	
Amphetamines - screening - urine	
Amphetamines confirmation - blood test	
Amphotericin B - Serum	
Amprenavir - Serum	
Amyloid beta-protein	TAU - PTAU - Amyloid proteins - CSF
Anaerobic bacteria susceptibility testing	Anaerobic bacterium - susceptibility testing
Anaerobic bacterium - susceptibility testing	
Anafranil®	Clomipramine - Serum
Anaplasma phagocytophylum	Human ehrlichiosis - serology - serum
Anaplasma	Human ehrlichiosis - serology - serum
Ancolil®	Flucytosine - Serum
androgène surrénalien	Sulfate DHEA salivary - saliva
Androstenediol	3-Alpha-Androstenediol Glucuronide - serum
Androstenediol glucuronide	3-Alpha-Androstenediol Glucuronide - serum
Androstanolone	DHT - Dihydrotestosterone - serum
Androstenedione - Delta-4	D4A - Delta-4-Androstenedione - serum
Aneurin	Vitamin B1 - Thiamin
Angelman / Prader-Willi Syndrome - SNRPN methylation	
Angelman / Prader-Willi Syndrome - SNRPN methylation - whole blood	
Angelman / Prader-Willi Syndrome - uniparental disomy - mechanism identification - amniotic	
Angelman / Prader-Willi Syndrome - uniparental disomy - mechanism identification - whole	
Angioconvertase	ACE - Angiotensin Converting Enzyme
Angioconvertase	ACE - Angiotensin Converting Enzyme - serum
Angiokeratoma corporis diffusum	Alpha-galactosidase A - EDTA whole blood spot on Guthrie card
Angiostrongyliasis	Angiostrongylus cantonensis - serology - serum
Angiostrongylus cantonensis - serology - serum	
Angiotensin II - plasma	
Angiotensin-converting enzyme	ACE - Angiotensin Converting Enzyme
Angiotensin-converting enzyme	ACE - Angiotensin Converting Enzyme - BAL
Angiotensin-converting enzyme	ACE - Angiotensin Converting Enzyme - serum
anisakiasis - Specific IgE and IgG4 - serum	
anisakis	anisakiasis - Specific IgE and IgG4 - serum
Anisakis	anisakiasis - Specific IgE and IgG4 - serum
Annexin V - IgG - anti-antibodies	Anti-annexin V antibodies - IgG - serum
Ansapine	Rifabutin - Serum
Anti RNA synthetase antibodies	Myosite Markers - serum
Anti - GD1a antibodies	Anti-glycolipid antibodies - CSF
Anti - GD1a antibodies	Anti-glycolipid antibodies - serum
Anti - GD2 antibodies	Anti-glycolipid antibodies - CSF
Anti - GD2 antibodies	Anti-glycolipid antibodies - serum
Anti - GD3 antibodies	Anti-glycolipid antibodies - CSF
Anti - GD3 antibodies	Anti-glycolipid antibodies - serum
anti 2 glycoproteine 1 antibodies IgG	Anti phospholipids antibodies - serum
anti 2 glycoproteine 1 antibodies IgM	Anti phospholipids antibodies - serum
Anti - GM2 antibodies	Anti-glycolipid antibodies - CSF
Anti - GM2 antibodies	Anti-glycolipid antibodies - serum
Anti - GM4 antibodies	Anti-glycolipid antibodies - CSF
Anti - GM4 antibodies	Anti-glycolipid antibodies - serum
Anti - GT1a antibodies	Anti-glycolipid antibodies - CSF
Anti - GT1a antibodies	Anti-glycolipid antibodies - serum
Anti - GT1b antibodies	Anti-glycolipid antibodies - CSF
Anti - GT1b antibodies	Anti-glycolipid antibodies - serum
Anti - PM1 antibodies	Myosite Markers - serum
Anti -GM3 antibodies	Anti-glycolipid antibodies - CSF
Anti -GM3 antibodies	Anti-glycolipid antibodies - serum

Anti actin antibodies - screening	Anti-smooth muscle antibodies - screening and titration - serum
Anti Adenylcyclase antibodies	Pertussis - serology
Anti alanyl RNAt synthetase antibodies (PL12)	Myosite Markers - serum
Anti Aquaporin 4 antibodies	Anti-neuromyelitis optica antibodies - serum
Anti beta interferon antibodies	Neutralizing anti Interferon BETA antibodies - Serum
Anti Calcium sensor antibodies	Anti-Calcium Sensing Receptor antibodies - serum
Anti Cardiolipin IgG antibodies	Anti phospholipids antibodies - serum
anti cardiolipin IgM antibodies	Anti phospholipids antibodies - serum
Anti cerebellum antibodies/ anti PCA2 antibodies	Anti-neuron antibodies - CSF
Anti cerebellum antibodies/ anti PCA2 antibodies	Anti-neuron antibodies - serum
Anti cholinesterase antibodies	Anti-acetylcholine receptor antibodies - serum
Anti CRPM5/CV2 antibodies	Anti-neuron antibodies - serum
Anti D	Anti red blood cell RH1 antibodies titration and microtitration - whole blood
anti deamidated gliadin antibodies	Anti deamidated gliadin peptides antibodies IgA - IgG - serum
Anti deamidated gliadin peptides antibodies IgA - IgA - serum	
Anti deamidated gliadin peptides antibodies IgA - IgG - serum	
Anti DPG antibodies	Anti deamidated gliadin peptides antibodies IgA - IgA - serum
Anti endocrin pancreas antibodies	Anti-islet cell antibodies - ICA - serum
Anti gluten IgA antibodies	Anti-endomysium antibodies - IgA - serum
Anti gluten IgA antibodies	Human tissue transglutaminase antibody - IgA - serum
Anti gluten IgG antibodies	Anti-endomysium antibodies - IgG - serum
Anti gluten IgG antibodies	Human tissue transglutaminase antibody - IgG - serum
anti granular antibodies	Anti-neutrophil antibodies
Anti heterophyll mononucleose antibodies	Epstein-Barr Virus - EBV - MNI test - serum
Anti Histidyl RNAt synthetase (JO1)	Myosite Markers - serum
Anti HMGR antibodies - serum	
Anti IIa activity measurement - Dabigatran Etxilate	Dabigatran - Measurement of the Dabigatran anti lia activity - plasma
Anti inteferon alpha antibodies	Interferon alpha - neutralizing antibody - serum
Anti isoleucyl RNAt synthetase antibodies(OJ)	Myosite Markers - serum
Anti MDA-5/CADM 140 antibodies	Myosite Markers - serum
Anti native DNA antibodies	Anti-DNA antibodies Double stranded DNA - serum
Anti nervous synaptics antibodies (anti- NMDAR, AMPAR1, AMPAR 2, Lgi1, Caspr2,	
Anti PDH antibodies	Anti-mitochondrial antibodies - typing - serum
Anti phospholipids antibodies - serum	
Anti pyruvate dehydrogenase antibodies	Anti-mitochondrial antibodies - typing - serum
Anti receptor tyrosine kinase antibodies	Anti-MuSK antibodies - serum
Anti red blood cell RH1 antibodies titration and microtitration - whole blood	
Anti ribonucleoproteine antibodies	Anti-ENA antibodies (SSA, SSB, Sm, Rnp, Jo1, Scl-70) - screening and titration - serum
Anti tetanus antibodies	Tetanus - immunity test - IgG serology - serum
Anti threonyl RNAt synthetase antibodies (PL7)	Myosite Markers - serum
anti THSD7A antibodies - serum	
Anti TIF p155/1400 antibodies	Myosite Markers - serum
Anti tubular basement membrane antibodies	Anti-glomerular basement membrane antibody - serum
Anti Type II bovin collagen antibodies	Anti-type II collagen antibodies - serum
Anti ZNT8 antibodies - serum	
anti- AMPAR	Anti nervous synaptics antibodies (anti- NMDAR, AMPAR1, AMPAR 2, Lgi1, Caspr2,
anti- GABAB	Anti nervous synaptics antibodies (anti- NMDAR, AMPAR1, AMPAR 2, Lgi1, Caspr2,
anti- GlycR1	Anti nervous synaptics antibodies (anti- NMDAR, AMPAR1, AMPAR 2, Lgi1, Caspr2,
anti- mGluR1	Anti nervous synaptics antibodies (anti- NMDAR, AMPAR1, AMPAR 2, Lgi1, Caspr2,
anti- mGluR5	Anti nervous synaptics antibodies (anti- NMDAR, AMPAR1, AMPAR 2, Lgi1, Caspr2,
anti- protein 7A of thrombospondine antibodies	anti THSD7A antibodies - serum
Anti- SOX1 antibodies - CSF	
Anti- SOX1 antibodies - serum	
Anti-21-hydroxylase antibodies - serum	
Anti-acetylcholine receptor antibodies - serum	
Anti-actin antibodies -	Anti-smooth muscle antibodies - screening and titration - serum
Anti-actin antibodies - typing - serum	
Anti-adrenal gland antibodies	Anti-adrenal gland antibodies - serum

Anti-adrenal gland antibodies - serum	
Anti-amphiphysin antibodies	Anti-neuron antibodies - CSF
Anti-amphiphysin antibodies	Anti-neuron antibodies - serum
Anti-annexin V antibodies - IgG - serum	
Anti-AQP4 antibodies	Anti-neuromyelitis optica antibodies - serum
Anti-ASGPR: asialoglycoprotein receptor	Anti-asialoglycoprotein receptor antibodies - serum
Anti-asialoglycoprotein receptor antibodies - serum	
Anti-B2GP1 antibodies - IgG	Anti-beta 2 glycoprotein 1 antibodies - B2GP1 - IgG - serum
Anti-B2GP1 antibodies - IgM	Anti-beta 2 glycoprotein 1 antibodies - B2GP1 - IgM - serum
Anti-beta 2 glycoprotein 1 antibodies - B2GP1 - IgG - serum	
Anti-beta 2 glycoprotein 1 antibodies - B2GP1 - IgM - serum	
Anti-BPAG1 antibodies	Anti-epidermal basement membrane and intracellular substance antibodies Typing
Anti-BPAG2 antibodies	Anti-epidermal basement membrane and intracellular substance antibodies Typing
Anti-C1q antibodies - serum	
Anti-calcium channel antibodies - serum	
Anti-Calcium Sensing Receptor antibodies - serum	
Anti-Calcium-Sensing Receptor antibodies	Anti-Calcium Sensing Receptor antibodies - serum
Anti-cardiolipin antibodies - IgG - serum	
Anti-cardiolipin antibodies - IgM - serum	
Anti-cartilage antibodies	Anti-type II collagen antibodies - serum
anti-Caspr2 antibodies	Anti-potassium channel antibodies / Lgi1 Caspr2 - CSF
anti-Caspr2 antibodies	Anti-potassium channel antibodies / Lgi1 Caspr2 - serum
anti-CaSR antibodies	Anti-Calcium Sensing Receptor antibodies - serum
Anti-CCP antibodies	Anti-cyclic citrullinated peptide antibodies - CCP2 - serum
Anti-citrulline antibodies	Anti-cyclic citrullinated peptide antibodies - CCP2 - serum
Anti-connectin antibodies	Anti-titin antibodies - serum
Anti-CV2 antibodies	Anti-neuron antibodies - CSF
Anti-CV2 antibodies	Anti-neuron antibodies - serum
Anti-cyclic citrullinated peptide antibodies	Anti-cyclic citrullinated peptide antibodies - CCP2 - serum
Anti-cyclic citrullinated peptide antibodies - CCP2 - serum	
Anti-cytochrome P450 II D6 antibodies - screening	Anti-LKM antibodies - endoplasmic reticulum - screening - serum
Anti-cytochrome P450 II D6 antibodies - typing	Anti-LKM antibodies - endoplasmic reticulum - typing - serum
Anti-deamidated gliadin peptide antibodies	Anti deamidated gliadin peptides antibodies IgA - IgA - serum
Anti-deamidated Gliadin Peptide Antibodies	Anti deamidated gliadin peptides antibodies IgA - IgA - serum
Anti-desmoglein 1 antibodies	Anti-epidermal basement membrane and intracellular substance antibodies Typing
Anti-desmoglein 3 antibodies	Anti-epidermal basement membrane and intracellular substance antibodies Typing
Anti-diphtheria toxin antibodies	Diphtheria - immunity test - IgG serology - serum
Anti-DNA antibodies double stranded - Farr test - serum	
Anti-DNA antibodies Double stranded DNA - serum	
anti-DNER	Anti-Tr antibodies - CSF
anti-DNER	Anti-Tr antibodies - serum
Anti-double strand DNA antibodies	Anti-DNA antibodies double stranded - Farr test - serum
Anti-dsDNA antibodies	Anti-DNA antibodies Double stranded DNA - serum
Anti-EJ-antibodies	Myosite Markers - serum
Anti-ENA antibodies (SSA, SSB, Sm, Rnp, Jo1, Scl-70) - screening and titration - serum	
Anti-endomysium antibodies - IgA - serum	
Anti-endomysium antibodies - IgG - serum	
Anti-endoplasmic reticulum antibodies - screening	Anti-LKM antibodies - endoplasmic reticulum - screening - serum
Anti-endoplasmic reticulum antibodies - typing	Anti-LKM antibodies - endoplasmic reticulum - typing - serum
Anti-endothelial cell antibodies - serum	
Anti-epidermal basement membrane and intracellular substance antibodies - serum	
Anti-epidermal basement membrane and intracellular substance antibodies Typing (BPAG2/	
Anti-EPO antibodies	Anti-erythropoietin antibodies - serum
Anti-erythrocyte antibodies - screening/identification	Indirect antiglobulin test - IAT - screening/identification
Anti-erythropoietin antibodies - serum	
Anti-exocrine pancreas antibodies - serum	
Anti-factor II antibodies - IgG	Anti-prothrombin antibodies - IgG - serum
Anti-factor IX antibodies - screening - plasma	

Anti-Factor V antibodies - screening - plasma	
Anti-factor VII antibodies - screening - plasma	
Anti-factor VIII antibodies - screening - plasma	
Anti-factor XI antibodies - screening - plasma	
Anti-factor XII antibodies - screening - plasma	
Anti-FI antibodies	Anti-intrinsic factor antibodies - serum
Anti-filagrin antibodies	Anti-cyclic citrullinated peptide antibodies - CCP2 - serum
Anti-Francisella tularensis antibodies	Tularemia - Francisella tularensis - serology - serum
Anti-GAD antibodies - CSF	
Anti-GAD antibodies - serum	
Anti-GAD65 antibodies	Anti-GAD antibodies - CSF
Anti-GAD65 antibodies	Anti-GAD antibodies - serum
Anti-ganglioside antibodies	Anti-glycolipid antibodies - CSF
Anti-ganglioside antibodies	Anti-glycolipid antibodies - serum
Anti-gastric cell antibodies	Anti-parietal cell antibodies - stomach - serum
Anti-GBM antibodies	Anti-glomerular basement membrane antibody - serum
Anti-GD1b antibodies	Anti-glycolipid antibodies - CSF
Anti-GD1b antibodies	Anti-glycolipid antibodies - serum
anti-glial nuclear antibodies	Anti- SOX1 antibodies - CSF
anti-glial nuclear antibodies	Anti- SOX1 antibodies - serum
Anti-glomerular basement membrane antibody	Anti-epidermal basement membrane and intracellular substance antibodies - serum
Anti-glomerular basement membrane antibody - serum	
Anti-glycolipid antibodies - CSF	
Anti-glycolipid antibodies - serum	
Anti-GM1 antibodies	Anti-glycolipid antibodies - CSF
Anti-GM1 antibodies	Anti-glycolipid antibodies - serum
Anti-GP210 antibodies - serum	
Anti-GQ1b antibodies	Anti-glycolipid antibodies - CSF
Anti-GQ1b antibodies	Anti-glycolipid antibodies - serum
Anti-granulocytes antibodies	Anti-neutrophil antibodies
Anti-H+ K+ ATPase antibodies	Anti-proton pump antibodies - serum
Anti-HA abs	Influenza A and B - IgG serology - serum
Anti-HBc IgG antibodies	Hepatitis B - anti-HBc antibodies - IgM - serum
Anti-HDV IgM antibodies	Hepatitis Delta - IgM antibody - serum
Anti-heparin antibodies	Anti-PF4 antibodies - heparin - plasma
Anti-hepatitis C antibodies - screening test	Hepatitis C - screening serology - serum
Anti-HEV antibodies - IgG	Hepatitis E - IgG antibody - serum
Anti-HEV IgM antibodies	Hepatitis E - IgM antibody - serum
Anti-Hib antibodies	Haemophilus influenzae B - IgG serology - serum
Anti-histone antibodies - serum	
anti-HLA antibodies - classes I and II - transplant - serum	
Anti-HMG-CoA reductase Antibody	Anti HMGCR antibodies - serum
Anti-Hu antibodies	Anti-neuron antibodies - CSF
Anti-Hu antibodies	Anti-neuron antibodies - serum
Anti-IA-2 antibodies	Anti-tyrosine phosphatase antibodies - IA-2 - serum
Anti-IgA antibodies - serum	
Anti-iGluR2	Anti-NMDA receptor antibodies - CSF
Anti-immunoglobulin A antibodies	Anti-IgA antibodies - serum
anti-Infliximab antibodies	Infliximab
Anti-insulin antibodies - serum	
Anti-intrinsic factor antibodies - serum	
Anti-islet cell antibodies - ICA - serum	
Anti-Jo1 antibodies	Anti-ENA antibodies (SSA, SSB, Sm, Rnp, Jo1, Scl-70) - screening and titration - serum
Anti-keratin antibodies	Anti-cyclic citrullinated peptide antibodies - CCP2 - serum
Anti-Ku antibodies	Myosite Markers - serum
Anti-lactoferrin antibodies and anti carbonic anhydrase antibodies - serum	
Anti-leukoplatelet antibodies	anti-HLA antibodies - classes I and II - transplant - serum
Anti-Leydig cell antibodies	Anti-testicular antibodies - serum

anti-Lg1 antibodies	Anti-potassium channel antibodies / Lgi1 Caspr2 - CSF
anti-Lgi1 antibodies	Anti-potassium channel antibodies / Lgi1 Caspr2 - serum
Anti-liver cytosol type 1 antibodies - LC1 - confirmation - serum	
Anti-liver cytosol type 1 antibodies - LC1 - screening - serum	
Anti-liver-kidney microsomal antibodies - LKM1 - screening	Anti-LKM antibodies - endoplasmic reticulum - screening - serum
Anti-liver-kidney microsomal antibodies - LKM1 - typing	Anti-LKM antibodies - endoplasmic reticulum - typing - serum
Anti-LKM1 antibodies - screening	Anti-LKM antibodies - endoplasmic reticulum - screening - serum
Anti-LKM1 antibodies - typing	Anti-LKM antibodies - endoplasmic reticulum - typing - serum
Anti-LKM antibodies - endoplasmic reticulum - screening - serum	
Anti-LKM antibodies - endoplasmic reticulum - typing - serum	
Anti-LP/SLA antibodies	Anti-SLA antibodies - Soluble Liver Antigen - serum
Anti-M2 - screening and titration	Anti-mitochondrial antibodies - screening and titration - serum
Anti-M2 antibodies	Anti-mitochondrial antibodies - typing - serum
Anti-M2 antibodies - typing	Anti-mitochondrial antibodies - typing - serum
Anti-Ma2 antibodies	Anti-neuron antibodies - CSF
Anti-Ma2 antibodies	Anti-neuron antibodies - serum
Anti-MAG antibodies - serum	
Anti-MGT30 antibodies	Anti-titin antibodies - serum
Anti-Mi2 antibodies	Myosite Markers - serum
Anti-microcosmal thyroidian antibodies	Anti-thyroid peroxidase antibodies - serum
Anti-mitochondrial antibodies - screening and titration - serum	
Anti-mitochondrial antibodies - typing - serum	
Anti-Morbillivirus antibodies - IgG	Measles IgG - intrathecal synthesis rate - CSF + serum
Anti-Morbillivirus antibodies - IgG/IgM	Measles - IgG/IgM serology - serum
Anti-MPO antibodies - myeloperoxidase - serum	
Anti-Müllerian hormone	AMH - Anti-Müllerian hormone - Child - serum
Anti-Müllerian hormone	AMH - Anti-Müllerian hormone - serum
Anti-MuSK antibodies - serum	
Anti-myelin antibodies - serum	
Anti-myelin-associated glycoprotein antibodies	Anti-MAG antibodies - serum
Anti-myeloperoxidase antibodies	Anti-MPO antibodies - myeloperoxidase - serum
Anti-Myosin antibodies	Anti-striated muscle antibodies - serum
anti-N	COVID-19 (SARS-CoV-2) serology (total Ig) anti-N
Anti-NA1 antibodies	Anti-neutrophil antibodies
Anti-Natalizumab antibodies - serum	
Anti-NC16A antibodies	Anti-epidermal basement membrane and intracellular substance antibodies Typing
Anti-neuromuscular junction antibodies	Anti-acetylcholine receptor antibodies - serum
Anti-neuromyelitis optica antibodies - CSF	
Anti-neuromyelitis optica antibodies - serum	
Anti-neuron antibodies - CSF	
Anti-neuron antibodies - serum	
Anti-neutrophil antibodies	Anti-neutrophil antibodies
Anti-neutrophil antibodies	
Anti-NMDA receptor antibodies - CSF	
Anti-NMDA receptor antibodies - serum	
Anti-NMO antibodies	Anti-neuromyelitis optica antibodies - serum
Anti-NR2 glutamate receptors antibodies	Anti-NMDA receptor antibodies - CSF
Anti-NR2 (NMDA receptor)	Anti-NMDA receptor antibodies - CSF
anti-nucleocapsid	COVID-19 (SARS-CoV-2) serology (total Ig) anti-N
Anti-nucleosome antibodies - serum	
Anti-NXP2 (p140/MJ) antibodies	Myosite Markers - serum
Anti-OJ-antibodies	Myosite Markers - serum
Anti-ovarian antibodies - serum	
Anti-oxidised LDL antibodies - IgG and/or IgM - serum	
Anti-parietal cell antibodies	Anti-parietal cell antibodies - stomach - serum
Anti-parietal cell antibodies - stomach - serum	
Anti-PE antibodies - IgG	Anti-phosphatidylethanolamine antibodies - IgG - serum
Anti-PE antibodies - IgM	Anti-phosphatidylethanolamine antibodies - IgM - serum

Anti-perinuclear antibodies	Anti-cyclic citrullinated peptide antibodies - CCP2 - serum
Anti-PF4 antibodies - heparin - plasma	
Anti-phosphatidylethanolamine antibodies - IgG - serum	
Anti-phosphatidylethanolamine antibodies - IgM - serum	
Anti-phospholipase A2	anti-PLA2R antibodies - serum
Anti-phospholipides antibodies	Anti-cardiolipin antibodies - IgG - serum
Anti-phospholipides antibodies	Anti-cardiolipin antibodies - IgM - serum
Anti-PL12 antibodies	Myosite Markers - serum
Anti-PL7 antibodies	Myosite Markers - serum
anti-PLA2R antibodies - serum	
Anti-platelet antibodies bound or free - screening and identification	
Anti-platelet factor 4 antibodies	Anti-PF4 antibodies - heparin - plasma
Anti-PM100-antibodies	Myosite Markers - serum
Anti-PM-Scl antibodies	Myosite Markers - serum
Anti-PM75-antibodies	Myosite Markers - serum
Anti-potassium channel antibodies / Lgi1 Caspr2 - CSF	
Anti-potassium channel antibodies / Lgi1 Caspr2 - serum	
Anti-PR3 antibodies - proteinase 3 - serum	
Anti-profilaggrin antibodies	Anti-cyclic citrullinated peptide antibodies - CCP2 - serum
Anti-proteinase 3 antibodies	Anti-PR3 antibodies - proteinase 3 - serum
Anti-prothrombin antibodies - IgG - serum	
Anti-prothrombinase antibodies	Circulating Lupus anticoagulant - screening - plasma
Anti-proton pump antibodies - serum	
Anti-rabies antibodies	Rabies - serology - serum
Anti-recoverin antibodies	Anti-retina antibodies - serum
Anti-Remicade® antibodies	Infliximab
Anti-retina antibodies - serum	
Anti-Ri antibodies	Anti-neuron antibodies - CSF
Anti-Ri antibodies	Anti-neuron antibodies - serum
Anti-ribosome antibodies - serum	
Anti-Rickettsia conorii, typhi antibodies - IgG	Rickettsioses - R. conorii, R. typhi - serology - serum
Anti-Rnp antibodies	Anti-ENA antibodies (SSA, SSB, Sm, Rnp, Jo1, Scl-70) - screening and titration - serum
Anti-Ro antibodies	Anti-ENA antibodies (SSA, SSB, Sm, Rnp, Jo1, Scl-70) - screening and titration - serum
anti-S	COVID-19 (SARS-CoV-2) IgG serology anti-S
Anti-Saccharomyces cerevisiae antibodies - IgG/IgA - serum	
Anti-SAE1 antibodies	Myosite Markers - serum
Anti-SAE2 antibodies	Myosite Markers - serum
Anti-Scl-70 antibodies	Anti-ENA antibodies (SSA, SSB, Sm, Rnp, Jo1, Scl-70) - screening and titration - serum
Anti-SLA antibodies - Soluble Liver Antigen - serum	
Anti-SLA/LP antibodies	Anti-SLA antibodies - Soluble Liver Antigen - serum
Anti-Sm antibodies	Anti-ENA antibodies (SSA, SSB, Sm, Rnp, Jo1, Scl-70) - screening and titration - serum
Anti-smooth muscle antibodies - screening and titration - serum	
Anti-SNA antibodies	Anti-ENA antibodies (SSA, SSB, Sm, Rnp, Jo1, Scl-70) - screening and titration - serum
Anti-sperm antibodies - indirect screening	
Anti-sphingolipides antibodies	Anti-glycolipid antibodies - serum
anti-spike	COVID-19 (SARS-CoV-2) IgG serology anti-S
Anti-SRP antibodies	Myosite Markers - serum
Anti-SSA, anti-SSB antibodies	Anti-ENA antibodies (SSA, SSB, Sm, Rnp, Jo1, Scl-70) - screening and titration - serum
Anti-streptococcal enzyme antibodies - ASLO	Antistreptolysin - ASLO - serum
Anti-streptodornase antibodies	Antistreptodornase B - ASD B - serum
Anti-streptolysin-O antibodies	Antistreptolysin - ASLO - serum
Anti-striated muscle antibodies - serum	
Anti-sulfatides antibodies	Anti-glycolipid antibodies - CSF
Anti-sulfatides antibodies	Anti-glycolipid antibodies - serum
Anti-T3 antibodies - triiodothyronine	
Anti-T4 antibodies - thyroxine	
Anti-testicular antibodies - serum	
Anti-tetanus antibodies - vaccination control	Tetanus - immunity test - IgG serology - serum

Anti-Tg antibodies	Anti-thyroglobulin antibodies - serum
Anti-thyroglobulin antibodies - serum	
Anti-thyroid peroxidase antibodies - serum	
Anti-thyroidean antibodies	Anti-thyroglobulin antibodies - serum
Anti-thyroidean antibodies	Anti-thyroid peroxidase antibodies - serum
Anti-thyroxine antibodies	Anti-T4 antibodies - thyroxine
Anti-titin antibodies - CSF	
Anti-titin antibodies - serum	
Anti-topoisomerase antibodies - screening	Anti-ENA antibodies (SSA, SSB, Sm, Rnp, Jo1, Scl-70) - screening and titration - serum
Anti-Toxoplasma gondii antibodies - IgG/IgM	Toxoplasmosis - IgG/IgM serology - serum
Anti-TPO antibodies	Anti-thyroid peroxidase antibodies - serum
Anti-Tr antibodies - CSF	
Anti-Tr antibodies - serum	
Anti-Trichinella spiralis antibodies - confirmation serology	Trichinosis - confirmation serology - serum
Anti-Trichinella spiralis antibodies - IgG serology	Trichinosis - IgG serology - serum
Anti-triiodothyronine antibodies	Anti-T3 antibodies - triiodothyronine
Anti-tRNA synthetase antibodies	Myosite Markers - serum
Anti-Trypanosoma brucei gambiense antibodies	Trypanosoma gambiense - serology - CSF
Anti-Trypanosoma brucei gambiense antibodies	Trypanosoma gambiense - serology - serum
Anti-Trypanosoma cruzi antibodies	Trypanosoma cruzi - serology - serum
Anti-TSH receptor antibodies - serum	
Anti-type II collagen antibodies - serum	
Anti-tyrosine phosphatase antibodies - IA-2 - serum	
Anti-U1RNP antibodies	Anti-ENA antibodies (SSA, SSB, Sm, Rnp, Jo1, Scl-70) - screening and titration - serum
Anti-VGCC antibodies	Anti-calcium channel antibodies - serum
anti-VGKC antibodies	Anti-potassium channel antibodies / Lgi1 Caspr2 - CSF
Anti-VGKC antibodies	Anti-potassium channel antibodies / Lgi1 Caspr2 - serum
Anti-VZV antibodies - IgM	Varicella zoster virus - IgM Serology - serum
Anti-Xa	Anti-Xa activity : Standard heparin - NFH - plasma
Anti-Xa - Arixtra®	Anti-Xa activity : Fondaparinux - Arixtra - plasma
Anti-Xa - Danaparoid	Anti-Xa activity : Danaparoid - Orgaran - plasma
Anti-Xa - LMWH	Anti-Xa activity : low molecular weight heparin - LMWH - plasma
Anti-Xa - Orgaran®	Anti-Xa activity : Danaparoid - Orgaran - plasma
Anti-Xa activity : Danaparoid - Orgaran - plasma	
Anti-Xa activity : Fondaparinux - Arixtra - plasma	
Anti-Xa activity : low molecular weight heparin - LMWH - plasma	
Anti-Xa activity : Standard heparin - NFH - plasma	
Anti-Xa activity - Arixtra®	Anti-Xa activity : Fondaparinux - Arixtra - plasma
Anti-Xa activity - low molecular weight heparin	Anti-Xa activity : low molecular weight heparin - LMWH - plasma
Anti-Xa activity - Orgaran®	Anti-Xa activity : Danaparoid - Orgaran - plasma
Anti-Yersinia Outer Protein antibodies	Anti-YOP antibodies - IgG - serum
Anti-Yo antibodies	Anti-neuron antibodies - CSF
Anti-Yo antibodies	Anti-neuron antibodies - serum
Anti-YOP antibodies - IgG - serum	
Anti-ZC4 antibodies - CSF	
Anti-ZC4 antibodies - serum	
Antibiotic multi-resistant bacteria (MRB) - screening	
antibody avidity - rubella	Rubella - antibody avidity - IgG - serum
Antidepressants - screening - identification - dosage - urine	
Antidepressants screening- identification - without dosage - Serum	
Antidiuretic hormone	ADH - Antidiuretic hormone
Antidiuretic hormone	ADH - Antidiuretic hormone - urine
Antigen - Helicobacter pylori	Helicobacter pylori - antigen - Stools
Antihaemophilic A - factor	Factor VIII - Antihaemophilic A - plasma
Antihaemophilic B - factor	Factor IX - Antihaemophilic B - plasma
Antihaemophilic factor A	Factor VIII - Antihaemophilic A - plasma
Antihaemophilic factor B	Factor IX - Antihaemophilic B - plasma
Antihaemorrhagic factor	Vitamin K1 - Phyloquinone

Antiplasmin - Alpha 2	Alpha-2 Antiplasmin - activity - plasma
Antistreptodornase B - ASD B - serum	
Antistreptolysin - ASLO - serum	
Antithrombin - activity	Antithrombin - functional activity - plasma
Antithrombin - antigen - plasma	
Antithrombin - antigen or quantitation	Antithrombin - antigen - plasma
Antithrombin - functional activity - plasma	
AP50	50% haemolysis time - alternative pathway complement - serum
Aparoxal	Phenobarbital - serum
APC	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
APC	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
APC virus	Adenovirus - screening - Stools
APC virus	Adenovirus - serology - serum
APCAM	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
Apixaban(Eliquis ®) - Anti Xa activity measurement - plasma	
Apo A1	Apolipoprotein A1 - serum
Apo C3	Apolipoprotein C3 - serum
ApoB	Apolipoprotein B - serum
Apolipoprotein A1 - serum	
Apolipoprotein B - serum	
Apolipoprotein C3 - serum	
APTT	Activated Partial Thromboplastin Time - aPTT - plasma
APTT, activated partial thromboplastin time	Activated Partial Thromboplastin Time - aPTT - plasma
Arbovirosis	Chikungunya - IgG/IgM serology - serum
Arbovirosis	Zika - serology - serum
Arbovirus	Dengue fever - IgG/IgM serology - serum
Arbovirus	Tick-borne encephalitis - TBE - IgG/IgM serology - serum
Arginine - Vasopressin	ADH - Antidiuretic hormone
Arginine - Vasopressin	ADH - Antidiuretic hormone - urine
Aripiprazole	
Arixtra® - anti-Xa	Anti-Xa activity : Fondaparinux - Arixtra - plasma
ARN ribosomal 16S	Detection and identification bacterial DNA by NGS sequencing
Arsenic - inorganic an metabolites derivatives - urine	
Artane®	Trihexyphenidyl - Serum
articular stone	Biliary,salivary and articular stone - morphologic and infrared analysis
ASCA	Anti-Saccharomyces cerevisiae antibodies - IgG/IgA - serum
Ascariasis - serology - serum	
Ascaris	Ascariasis - serology - serum
Ascorbic acid	Vitamin C - Ascorbic acid
ASD	Antistreptodornase B - ASD B - serum
ASDB	Antistreptodornase B - ASD B - serum
ASDOR	Antistreptodornase B - ASD B - serum
AshTest	FibroMAX - . - serum
AshTest®	NASH-FibroTest - serum
ASHTEST	FibroMAX - . - serum
Asialotransferrin	Carbohydrate-deficient transferrin - serum
ASLO	Antistreptolysin - ASLO - serum
ASMA	Anti-smooth muscle antibodies - screening and titration - serum
Aspergillosis - confirmation serology - serum	
Aspergillosis - soluble antigen - testing - BAL	
Aspergillosis - soluble antigen - testing - serum	
Aspergillosis IgG serology screening - serum	
Aspergillosis precipitins	Aspergillosis IgG serology screening - serum
Aspergillus flavus	Aspergillosis - confirmation serology - serum
Aspergillus flavus	Aspergillosis IgG serology screening - serum
Aspergillus fumigatus	Aspergillosis - confirmation serology - serum
Aspergillus fumigatus	Aspergillosis IgG serology screening - serum
Aspergillus nidulans	Aspergillosis - confirmation serology - serum

Aspergillus nidulans	Aspergillosis IgG serology screening - serum
Aspergillus niger	Aspergillosis - confirmation serology - serum
Aspergillus niger	Aspergillosis IgG serology screening - serum
Aspergillus versicolor	Aspergillosis - confirmation serology - serum
Aspergillus versicolor	Aspergillosis IgG serology screening - serum
Astrocytoma	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
Astrovirus	Gastrointestinal Panel - direct diagnosis - PCR - Stools
Astrovirus/Sapovirus	Gastrointestinal Panel - direct diagnosis - PCR - Stools
AT - antigen or quantitation	Antithrombin - antigen - plasma
Atarax®	Hydroxyzine - Serum
Atazanavir - Serum	
Athymil®	Mianserin - Serum
ATM	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
ATM	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
ATM	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
ATM	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
Attractive chemo protein of monocytes (MCP-1) - serum	
Australia Antigen	Hepatitis B - Qualitative HBs antigen - serum
Autoimmune pancreatitis	Anti-lactoferrin antibodies and anti carbonic anhydrase antibodies - serum
Avidity index of anti-Toxoplasma gondii IgG	Toxoplasmosis - antibody avidity - IgG - serum
Avidity of anti-Toxoplasma gondii IgG	Toxoplasmosis - antibody avidity - IgG - serum
Avlocardyl®	Propranolol - Serum
Avonex	Neutralizing anti Interferon BETA antibodies - Serum
Axepim®	Cefepime - serum
Axerophтол	Vitamin A - Retinol - Plasma
B19 - direct diagnosis - PCR	Parvovirus B19 - direct diagnosis - PCR
B19 - IgG serology	Parvovirus B19 - immunity test - serum
B19 - IgG/IgM serology	Parvovirus B19 - IgG/IgM serology - serum
B factor	Factor B - complement fraction - serum
B-ALP	Alkaline phosphatases bone
B-AP	Alkaline phosphatases bone
B2M	Beta-2 microglobulin - CSF
B2M	Beta-2 microglobulin - serum
B2M	Beta-2 microglobulin - urine
B-type natriuretic peptide	NT-proBNP - N-Terminal Pro-Brain Natriuretic Peptide - serum
Babesia	Human babesiosis - serology - serum
Baclofene - Serum	
BAP1	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
BAP1	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
BAP1	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
BAP1	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
Baraclude	Entecavir - plasma
Barbiturate	Phenobarbital - serum
Barbituremia (barbiturate levels).	Phenobarbital - serum
Barnetil®	Sultopride - Serum
Bartonella	Bartonellosis - B. henselae - B. quintana - IgG serology - serum
Bartonella	Bartonellosis - direct diagnosis - PCR
Bartonelle	Bartonellosis - direct diagnosis - PCR
Bartonellosis - B. henselae - B. quintana - IgG serology - serum	
Bartonellosis - direct diagnosis - PCR	
basedow disease	Anti-TSH receptor antibodies - serum
Basement membrane + intercellular substance - anti-antibodies	Anti-epidermal basement membrane and intracellular substance antibodies - serum
Basic Check	Juvenalis - BasicCheck
Batten disease	Lipofuscinosis Neuronal Ceroide enzymatic deficiency - whole blood
Béagyne®	Fluconazole - Serum
Behçet's disease B51 (B5) retinitis birdshot A29	Class I HLA - HLA-A and HLA-B genotyping - whole blood
Bence Jones - screening	
Bence Jones protein	Bence Jones - screening

Bence Jones proteinuria	Bence Jones - screening
Bendroflumethiazide	Diuretics - screening and dosage - urine
Benepali ®	Etanercept - serum
Benzo	Benzodiazepines - screening without identification - serum
Benzodiazepines - identification - urine	
Benzodiazepines - screening and identification - Serum	
Benzodiazepines - screening without identification - serum	
Benzodiazepines - screening without identification - urine	
Benzoyllecgonine	Cocaine confirmation - blood test
Benzoyllecgonine	Cocaine - confirmation - urine
Benzoyllecgonine	Cocaine - screening - urine
Beta 2 GP1 - anti-antibodies	Anti-beta 2 glycoprotein 1 antibodies - B2GP1 - IgG - serum
Beta 2 GP1 - anti-antibodies	Anti-beta 2 glycoprotein 1 antibodies - B2GP1 - IgM - serum
Beta Cross-Laps	CrossLaps
Beta glucocerebrosidase	Beta glucosidase - EDTA whole blood spot on Guthrie card
Beta glucosidase - EDTA whole blood spot on Guthrie card	
Beta interferon - neutralizing antibody	Neutralizing anti Interferon BETA antibodies - Serum
Beta-2 microglobulin - CSF	
Beta-2 microglobulin - serum	
Beta-2 microglobulin - urine	
Beta-carotene	
Beta-carotenes	Carotenoids
Beta-cryptoxanthin	Carotenoids
Beta-D-Glucan antigen - screening	
Beta-hCG - free chain	hCG - free beta chain - subunit - serum
Beta-hCG - holo-hCG	hCG - free beta chain - subunit - serum
beta-Hydroxybutyric acid	Ketone bodies - Deproteinized heparin whole blood sample or CSF
Beta-subunit - Free hCG	hCG - free beta chain - subunit - serum
Betahydroxybutyrate	Ketone bodies - Deproteinized heparin whole blood sample or CSF
Bevacizumab - serum	
BGP	Osteocalcin - serum
Bictegravir - serum	
Big Big prolactin	Prolactin - molecular forms - serum
Big prolactin	Prolactin - molecular forms - serum
Biktarvy	Bictegravir - serum
Bile acids - chromatography - serum	
Bile acids - serum	
Bile salts	Bile acids - chromatography - serum
Bile salts	Bile acids - serum
bilharzia	Schistosomiasis - direct diagnosis - PCR
Biliary,salivary and articular stone - morphologic and infrared analysis	
biliarys stone	Biliary,salivary and articular stone - morphologic and infrared analysis
Bilirubin - total - free - combined - serum	
Bioactive testosterone	Testosterone bioavailability - serum
Biotin	Vitamin B8 or H - Biotin
Biperiden - serum	
BK	Mycobacteria - PCR M. tuberculosis complex (BKBM)
BK - culture	Mycobacteria - culture
BK - direct test	Mycobacteria - direct examination
BK - identification	Mycobacteria - identification
BK - identification	Mycobacterium tuberculosis - identification
BK - susceptibility testing	Mycobacteria - susceptibility testing
Black fever	Leishmaniasis - direct diagnosis - PCR
Blast cell phenotype	Immunophenotyping of malignant hemopaties
Blasts	Immunophenotyping of malignant hemopaties
Blitzima®	Rituximab - serum
Blood alcohol content	Ethyl alcohol - serum
Blood group determination	ABO blood grouping - RH1(D)

blood grouping - genotyping - whole blood	
Blood karyotype	
BMPR1A	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
BMPR1A	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
BNP - Brain Natriuretic Peptide - plasma	
BNP precursor	NT-proBNP - N-Terminal Pro-Brain Natriuretic Peptide - serum
Bocavirus	Respiratory Infection Panel - direct diagnosis - PCR
Bocepevir - plasma	
Bone ALPs	Alkaline phosphatases bone
Bone Gla Protein	Osteocalcin - serum
Bone GLA protein	Osteocalcin - serum
Bone-specific alkaline phosphatase	Alkaline phosphatases bone
Bordet-Gengou	Pertussis - serology
Bordet-Gengou Bacillus	Whooping cough - Bordetella pertussis and parapertussis - direct diagnosis - PCR
Bordetella pertussis	Pertussis - serology
Bordetella pertussis	Respiratory Infection Panel - direct diagnosis - PCR
Bordetella pertussis	Whooping cough - Bordetella pertussis and parapertussis - direct diagnosis - PCR
Boron - urine	
Borrelia	Borreliosis - direct diagnosis - PCR
Borrelia	Borreliosis - IgG confirmation serology
Borrelia	Borreliosis - IgM confirmation serology - serum
Borrelia	Lyme disease - IgG/IgM screening serology - serum
Borrelia	Lyme disease - IgG intrathecal index - CSF + serum
Borrelia	Lyme disease - screening serology - CSF
Borreliosis - direct diagnosis - PCR	
Borreliosis - IgG confirmation serology	
Borreliosis - IgM confirmation serology - serum	
Bound testosterone	Testosterone - man - serum
Bound testosterone	Testosterone - woman/child - serum
bowel	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
BP180	Anti-epidermal basement membrane and intracellular substance antibodies Typing
BP180 - anti-antibodies	Anti-epidermal basement membrane and intracellular substance antibodies Typing
bp180 - antibodies	Anti-epidermal basement membrane and intracellular substance antibodies Typing
BP230	Anti-epidermal basement membrane and intracellular substance antibodies Typing
BP230 - anti-antibodies	Anti-epidermal basement membrane and intracellular substance antibodies Typing
BPAg1	Anti-epidermal basement membrane and intracellular substance antibodies Typing
BPAG1 - anti-antibodies	Anti-epidermal basement membrane and intracellular substance antibodies Typing
BPAG2 - anti-antibodies	Anti-epidermal basement membrane and intracellular substance antibodies Typing
Brain Natriuretic Peptide	BNP - Brain Natriuretic Peptide - plasma
BRB	Bilirubin - total - free - combined - serum
BRCA1	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
BRCA1	Oncogenetic exome
BRCA1	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
BRCA1	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
BRCA1	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
BRCA2	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
BRCA2	Oncogenetic exome
BRCA2	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
BRCA2	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
BRCA2	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
Breast	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
BREAST	Oncogenetic exome
Breast Cancer Prognostic Gene Signature Assay - PROSIGNA TEST	
Breasy	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
Breath test	Helicobacter pylori - 13C urea breath test - expired gas
Brintellix®	Vortioxétine - Serum
Bristopen®	Oxacillin - Serum
BRK1	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,

Bromadiolone	Oral anticoagulants : Rodenticides - Serum
Bromazepam - Serum	
Brucella	Brucellosis - screening serology - serum
brucella confirm	Brucellosis - confirmation serology - serum
Brucella melitensis	Brucellosis - screening serology - serum
Brucellacapt	Brucellosis - confirmation serology - serum
Brucellosis - confirmation serology - serum	
Brucellosis - screening serology - serum	
Brucellosis-Screening	Aerobic bacterium - screening
Brugata syndrome	Cardiogenetic exome
Buflomedil - serum	
Bullous Systemic Lupus Erythematosus (BSLE)	Antibiotic multi-resistant bacteria (MRB) - screening
Bumetamide	Diuretics - screening and dosage - urine
Bupivacaine - Serum	
Buprenorphine - Serum	
Buprenorphine and metabolites - urine	
burgdorferi	Borreliosis - direct diagnosis - PCR
burgdorferi	Borreliosis - IgG confirmation serology
burgdorferi	Borreliosis - IgM confirmation serology - serum
burgdorferi	Lyme disease - IgG/IgM screening serology - serum
burgdorferi	Lyme disease - screening serology - CSF
Burgdorferi	Lyme disease - IgG intrathecal index - CSF + serum
Burkitt	Epstein-Barr Virus - EBV - IgA EA serology - serum
Burkitt	Epstein-Barr Virus - EBV - IgG EA serology - serum
Butoxyacetic acid - urine	
Butyl Cellosolve	Butoxyacetic acid - urine
Butyrylcholinesterase	Cholinesterase - Enzymatic activity - serum
BW	Syphilis - titration - CSF
BW - screening	Syphilis - Treponemique test - screening serology - serum
BWQ	Syphilis - titration - CSF
BZD	Benzodiazepines - identification - urine
BZD	Benzodiazepines - screening and identification - Serum
BZD	Benzodiazepines - screening without identification - serum
BZD	Benzodiazepines - screening without identification - urine
C1 - Inh	C1-inhibitor - complement fraction - functional + quantitation
C1 - Inh	C1-inhibitor - complement fraction - quantitation - serum
C1 esterase inhibitor	C1-inhibitor - complement fraction - functional + quantitation
C1 esterase inhibitor	C1-inhibitor - complement fraction - quantitation - serum
C1 inhibitor activity	C1-inhibitor - complement fraction - functional + quantitation
C1 inhibitor functional	C1-inhibitor - complement fraction - functional + quantitation
C1-inhibitor - complement fraction - functional + quantitation	
C1-inhibitor - complement fraction - quantitation - serum	
c.187C>G mutation	Haemochromatosis - HFE gene - p.His63Asp mutation - whole blood
c.193A>T mutation	Haemochromatosis - HFE gene - p.Ser65Cys mutation
C1q - anti-antibodies	Anti-C1q antibodies - serum
C1q - complement fraction - serum	
C1q fraction - complement	C1q - complement fraction - serum
C2 - complement fraction - serum	
C2 fraction - complement	C2 - complement fraction - serum
C282Y Mutation	Haemochromatosis - HFE gene - p.Cys282Tyr mutation - whole blood
c-erbB-2	HER2 - Human Epidermal growth factor Receptor 2 - c-erbB-2 protein - serum
C-peptide	C-peptide - serum
C-peptide	C-peptide - Urines
C-peptide - serum	
C-peptide - Urines	
C-reactive protein	CRP - C-reactive protein - serum
C-Reactive Protein	CRP - C-reactive protein - serum
C-reactive protein - ultrasensitive	CRP - C-reactive protein - ultrasensitive - serum

C-Reactive Protein - ultrasensitive	CRP - C-reactive protein - ultrasensitive - serum
C-telopeptide of type I procollagen	CrossLaps
C-telopeptide of type I procollagen	CrossLaps - urines
C3 - complement fraction - serum	
C3 fraction - complement	C3 - complement fraction - serum
C3NeF - Nephritic factor - serum	
C3PA	Factor B - complement fraction - serum
C4 - complement fraction - serum	
C4 fraction - complement	C4 - complement fraction - serum
C5 - complement fraction - serum	
C5 fraction - complement	C5 - complement fraction - serum
c.845G>A mutation	Haemochromatosis - HFE gene - p.Cys282Tyr mutation - whole blood
C9 - complement fraction - serum	
C9 fraction - complement	C9 - complement fraction - serum
CA 125	CA 125 antigen - aspiration biopsy
CA 125	CA 125 antigen - serum
CA 125 antigen - aspiration biopsy	
CA 125 antigen - serum	
CA 15-3	CA 15-3 antigen - aspiration biopsy
CA 15-3	CA 15-3 antigen - serum
CA 15-3 antigen - aspiration biopsy	
CA 15-3 antigen - serum	
CA 19-9	CA 19-9 antigen - aspiration biopsy
CA 19-9	CA 19-9 antigen - serum
CA 19-9 antigen - aspiration biopsy	
CA 19-9 antigen - serum	
CA 50	CA 50 antigen - serum
CA 50 antigen - serum	
CA 72-4	CA 72-4 antigen - aspiration biopsy
CA 72-4	CA 72-4 antigen - serum
CA 72-4 antigen - aspiration biopsy	
CA 72-4 antigen - serum	
Cachectin	TNF-alpha - Tumour Necrosis Factor - serum
Calcidiol	Vitamin D - 25-hydroxyvitamin D - D2 + D3 - serum
Calcitonin - aspiration biopsy	
Calcitonin - serum	
Calcitriol	Vitamin D - 1,25-dihydroxyvitamin D - serum
Calcium channels - anti-antibodies	Anti-calcium channel antibodies - serum
Calcium Sensing Receptor - anti-antibodies	Anti-Calcium Sensing Receptor antibodies - serum
Campylobacter	Aerobic bacterium - screening
Campylobacter (C. jejuni/coli/upsaliensis)	Gastrointestinal Panel - direct diagnosis - PCR - Stools
Canalopathy	Cardiogenetic exome
Cancer	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
Cancer	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
Cancer	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
Cancer	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
Cancer	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
Cancer	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
Cancer	Panel oncogénétique Rétinoblastome Gène ciblé : RB1
Cancer	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
Cancer	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
CANCER	Oncogenetic exome
Candida	Candida - Mannane antigen - serum
Candida - Mannane antigen - serum	
Candida albicans - confirmation serology - serum	
Candida albicans - screening serology - serum	
Candidiasis	Candida albicans - confirmation serology - serum
Candidiasis	Candida albicans - screening serology - serum

Cannabidiol	Cannabis - confirmation - urine
Cannabinoides	Cannabis confirmation - blood test
Cannabinoïdes	Cannabis - confirmation - urine
Cannabis - confirmation - urine	
Cannabis - hair	
Cannabis - urine	
Cannabis confirmation - blood test	
Canrenone	Diuretics - screening and dosage - urine
Canthaxanthin	Carotenoids
capecitabine toxicity	Uracile - dosage(search a risk of toxicity to fluoropyrimidines)
CAR - index - Saliva	
CAR antigen	Anti-retina antibodies - serum
Carbamazepine - serum	
Carbapenemase	Antibiotic multi-resistant bacteria (MRB) - screening
Carbocaine®	Mepivacaine - serum
Carbohydrate-deficient transferrin	Carbohydrate-deficient transferrin - serum
Carbohydrate-Deficient Transferrin	Carbohydrate-deficient transferrin - serum
Carbohydrate-deficient transferrin - serum	
Carbon disulphide	2-thio-thiazolidine-4-carboxylic-acid - urine
Carbon tetrachloride	Tetrachloromethane - whole blood
Carbonic anhydrase - anti-antibodies	Anti-lactoferrin antibodies and anti carbonic anhydrase antibodies - serum
Carbutamide	Sulphonylureas - serum
Carbutamide	Sulphonylureas - urine
Carcinoembryonic antigen	CEA - Carcinoembryonic antigen - aspiration biopsy
Carcinoembryonic antigen	CEA - Carcinoembryonic antigen - serum
Cardiac arrythmia	Cardiogenetic exome
Cardiogenetic exome	
Cardiolipin - antibodies	Anti-cardiolipin antibodies - IgG - serum
Cardiolipin antibodies	Anti-cardiolipin antibodies - IgM - serum
Carotene	Beta-carotene
Carotenoids	
CaSR - anti-antibodies	Anti-Calcium Sensing Receptor antibodies - serum
Castle's intrinsic factor	Anti-intrinsic factor antibodies - serum
Cat scratch (disease)	Bartonellosis - B. henselae - B. quintana - IgG serology - serum
Cat scratch (disease)	Bartonellosis - direct diagnosis - PCR
Cat scratch disease	Bartonellosis - B. henselae - B. quintana - IgG serology - serum
Cat scratch disease	Bartonellosis - direct diagnosis - PCR
Catecholamines - free - Urine	
Catecholamines - methoxylated derivatives	Methoxylated derivatives of catecholamines - Free metanephries
Catecholamines - methoxylated derivatives	Methoxylated derivatives of catecholamines - Free metanephries - child - urine
Catecholamines - methoxylated derivatives	Methoxylated derivatives of catecholamines - Free metanephries - Urine
CBD	Cannabis - confirmation - urine
CBG	CBG - Cortisol-Binding Globulin - Transcortin - serum
CBG - Cortisol-Binding Globulin - Transcortin - serum	
CCP - anti-antibodies	Anti-cyclic citrullinated peptide antibodies - CCP2 - serum
CD19	Immunophenotyping: Lymphocytes B - CD19 - whole blood
CD Test	Carbohydrate-deficient transferrin - serum
CD20	Immunophenotyping: Lymphocytes B - CD19 - whole blood
CD3+	Immunophenotyping: Lymphocytes CD3-CD4-CD8 - whole blood
CD3 lymphocytes	Immunophenotyping: Lymphocytes CD3-CD4-CD8 - whole blood
CD3/CD4/CD8	Immunophenotyping: Lymphocytes CD3-CD4-CD8 - whole blood
CD56	Immunophenotyping: Lymphocytes CD56+ / CD16+ - Natural Killer Cells - whole blood
CDDP	Cisplatin - serum
CDDP and Cis-diamminedichloroplatinum	Cisplatin - serum
CDH1	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
CDH1	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
CDH1	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
CDH1	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,

CDK4	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
CDK4	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
CDKN2A	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
CDKN2A	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
CDKN2A	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
CDKN2B	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
CDKN2B	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
CDT	Carbohydrate-deficient transferrin - serum
CDT-IFC	Carbohydrate-deficient transferrin - serum
CEA - Carcinoembryonic antigen - aspiration biopsy	
CEA - Carcinoembryonic antigen - serum	
Cefepime - serum	
Cefotaxime - Serum	
Ceftazidime - Serum	
Ceftriaxone - Serum	
Celectol®	Celiprolol - serum
Celiprolol - serum	
Cellcept®	Mycophenolate - plasma
Celsentri	Maraviroc - Serum
Cephalosporinase	Antibiotic multi-resistant bacteria (MRB) - screening
Certican®	Everolimus
Certolizumab - serum	
cfDNA	Genome Wide (Autosomes and autosomes chromosomal rearrangements > 7Mb)
cfDNA	Genome Wide complet (Autosomes and autosomes chromosomal rearrangements > 7
cfDNA	Ninalia 3 (T13 T18 T21)
cfDNA	Ninalia 5 (T13 T18 T21, Fetal gender ans sex chromosomes aneuploidies)
CgA	Chromogranin A
CGH	Constitutional Molecular Karyotype-SNP ARRAY
CGH	Constitutional Molecular Karyotype - SNP ARRAY - Product of conception
CGH	Constitutional Molecular Karyotype-SNP ARRAY - whole blood
CGH -array	Constitutional Molecular Karyotype-SNP ARRAY - whole blood
CGH array	Constitutional Molecular Karyotype-SNP ARRAY
CGH-array	Constitutional Molecular Karyotype - SNP ARRAY - Product of conception
CH50 - Total haemolytic complement	
Chagas disease - confirmation	Trypanosoma cruzi - confirmation - serum
Chagas disease - screening for parasite	Trypanosoma gambiense - screening - CSF
Chagas disease - serology	Trypanosoma cruzi - serology - serum
Chancre	Genital ulcérations panel - direct diagnosis - PCR
Chancroid	Haemophilus ducreyi - screening
CHEK2	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
CHEK2	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
Chemical analysis - stool	
Chenodeoxycholic acid	Bile acids - chromatography - serum
Chenodeoxycholic acid	Bile acids - serum
Chikungunya - IgG/IgM serology - serum	
CHIP	exome
CHIP	Exome with interpretation interface
CHIP	Nephrology exome
Chitotriosidase - activity	
Chlamydia	Chlamydia pneumoniae - direct diagnosis - PCR
Chlamydia pneumoniae	Chlamydia pneumoniae - IgG/IgM serology - serum
Chlamydia pneumoniae - direct diagnosis - PCR	
Chlamydia pneumoniae - IgG/IgM serology - serum	
chlamydia psittaci	Chlamydia psittaci - serology - serum
Chlamydia psittaci - IgA serology - serum	
Chlamydia psittaci - serology - serum	
Chlamydia trachomatis - IgA serology - serum	
Chlamydia trachomatis - IgG serology - serum	

Chlamydia trachomatis - IgM serology - serum	
Chlordecone	Pesticides - screening and/or dosage
Chlordecone	Pesticides - screening and/or dosage - urine
Chlordiazepoxide - Serum	
Chloroform	Trichloromethane - whole blood
Chlorophacinone	Oral anticoagulants ; Rodenticides - Serum
Chloroquine - Serum	
Chlorpromazine - Serum	
Chlorpropamide	Sulphonylureas - serum
Chlorpropamide	Sulphonylureas - urine
Chlortalidone	Diuretics - screening and dosage - urine
Cholecalciferol - vitamin D3	Vitamin D - 25-hydroxyvitamin D - D2 + D3 - serum
Cholera screening	Aerobic bacterium - screening
Cholesterol lecithine acyltransferase - serum	
Cholic acid	Bile acids - chromatography - serum
Cholic acid	Bile acids - serum
Cholinesterase - Enzymatic activity - serum	
Chromatin	Anti-nucleosome antibodies - serum
Chromatography of erythrocyte fatty acids	Erythrocyte fatty acids - chromatography - Total EDTA blood
Chromatography of prolactin	Prolactin - molecular forms - serum
Chromogranin A	
Chymotrypsin	
CIA	Exome Congenital heart defects
Cibenzoline - Serum	
Ciflox®	Ciprofloxacin - Serum
Cimzia ®	Certolizumab - serum
Cipralan®	Cibenzoline - Serum
Ciprofloxacin - Serum	
Circulating anticoagulant - screening - plasma	
Circulating forms of prolactin	Prolactin - molecular forms - serum
Circulating immune complexes	Circulating immune complexes - CIC - serum
Circulating immune complexes - CIC - serum	
Circulating lupus anticoagulant	Circulating Lupus anticoagulant - screening - plasma
Circulating Lupus anticoagulant - screening - plasma	
Cis-Chlordane	Pesticides - screening and/or dosage
Cis-Chlordane	Pesticides - screening and/or dosage - urine
Cisplatin - serum	
Citrate	Citric acid - seminal plasma
Citrate	Citric acid - serum
Citrate	Citric acid - Urines
Citric acid - seminal plasma	
Citric acid - serum	
Citric acid - Urines	
Citrullinated peptides - anti-antibodies	Anti-cyclic citrullinated peptide antibodies - CCP2 - serum
CIV	Exome Congenital heart defects
CK MB	CPK - Creatine phosphokinase MB - serum
CK-BB - isoenzymes	CPK - Creatine phosphokinase - isoenzymes - serum
CK-MM - isoenzymes	CPK - Creatine phosphokinase - isoenzymes - serum
CLA30 - food allergens	IgE against multiple individual allergens - food allergens - serum
CLA30 - inhalant allergens	IgE against multiple individual allergens - inhalant allergens - serum
CLA30 - mixed allergens	IgE against multiple individual allergens - Food and Inhalant panels - serum
Claforan®	Cefotaxime - Serum
Clamoxil®	Amoxicillin - Serum
Clarithromycin	Helicobacter pylori and clarithromycin resistance gene - direct diagnosis - PCR
Class I HLA - HLA-A and HLA-B genotyping	Class I HLA - HLA-A and HLA-B genotyping - whole blood
Class I HLA - HLA-A and HLA-B genotyping - whole blood	
Class I HLA leukocyte and platelet antigens	Class I HLA - HLA-A and HLA-B genotyping - whole blood
Class II HLA - HLA-DQ and HLA-DR genotyping	Class II HLA - HLA-DQ and HLA-DR genotyping - whole blood

Class II HLA - HLA-DQ and HLA-DR genotyping - whole blood	
Class II HLA leukocyte and platelet antigens	Class II HLA - HLA-DQ and HLA-DR genotyping - whole blood
Cleaving protease - Willebrand factor	Factor Willebrand protease activity - ADAMTS 13
Clindamycin - Serum	
CLL	Immunophenotyping of malignant hemopaties
Globazam - Serum	
Clomipramine - Serum	
Clonazepam - Serum	
Clopamide	Diuretics - screening and dosage - urine
Clopidogrel - resistance test	VASP - VAsodilator Stimulated Phosphoprotein - whole blood
Clopixol®	Zuclopenthixol - Serum
Clorazepate - Serum	
Clostridium difficile : toxines A/B	Gastrointestinal Panel - direct diagnosis - PCR - Stools
Clostridium difficile - Glutamate dehydrogenase (GDH) screening (+toxins)-stool	
Clostridium difficile - toxins-screening by PCR	
Clostridium tetani - immunity test - IgG antibodies	Tetanus - immunity test - IgG serology - serum
Clotiazepam - serum	
Cloxacillin - Serum	
Clozapine	
CMV	Cytomegalovirus - CMV - - direct diagnosis - PCR
CMV	Cytomegalovirus - CMV - - direct diagnosis - PCR - amniotic fluid
CMV	Cytomegalovirus - CMV - - IgG/IgM serology - serum
CMV	Cytomegalovirus - CMV - - IgG serology - serum
CMV	viral meningoencephalitis panel - direct diagnosis - PCR - CSF
CMV - antibody avidity	Cytomegalovirus - CMV - IgG avidity test - serum
CNV	exome
CNV	Exome Congenital heart defects
CNV	Exome Isolated or syndromic intellectual disability and syndromic neurodevelopmental
CNV	Exome Panel for chronic and hereditary pancreatitis
CNV	Exome with interpretation interface
CNV	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
CNV	Nephrology exome
CNV	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
CNV	Oncogenetic exome
CNV	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
CNV	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
CNV	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
CNV	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
CNV	Prenatal exome
CNV	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
CNV	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
Cobalamin	Vitamin B12 - serum
Cobalt	
Cobalt - urines	
Cobalt concentration	Cobalt
Cobalt overload	Cobalt - urines
Cobicistat - plasma	
Cocaine - confirmation - urine	
Cocaine - screening - urine	
Cocaine confirmation - blood test	
Codeine	Opiates confirmation - blood test
Codeine - confirmation	Opiates - confirmation - urine
Codeine - screening	Opiates - screening - urine
Codethyline	Opiates confirmation - blood test
Codethyline - confirmation	Opiates - confirmation - urine
Codethyline - screening	Opiates - screening - urine
Codon 129 prion protein - genotype	Protein 14.3.3 - CSF
Coenzyme Q10	Coenzyme Q10 - CoQ10 - Serum

Coenzyme Q10 - CoQ10 - Serum	
Colchicine - Serum	
Colchimax®	Colchicine - Serum
Colimycin	Colistin - Serum
Colistin - Serum	
Collagen N-telopeptides	NTx - N-telopeptides of type I collagen - urines
Colon	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
Colorectal	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
COLORECTAL CANCER	Oncogenetic exome
companion	NGS "PAN ORGANE" panel: AKT1, ALK, BRAF, CTNNB1, DDR2, EGFR, ERBB2,
companion test	NGS "COLORECTAL 1" panel: KRAS, NRAS, BRAF
companion test	NGS "COLORECTAL 2"panel : AKT1, ALK, BRAF, CTNNB1, EGFR, HER2, FBXW7,
companion test	NGS "GIST " panel : KIT, PDGFRA, BRAF
companion test	NGS "LUNG1" panel: AKT1, ALK, BRAF, DDR2, EGFR, HER2, FGFR1, FGFR2,
companion test	NGS "Melanoma" panel: BRAF, NRAS, KIT
Companion test	NGS Panel "LUNG 1" : EGFR-BRAF-MET-KRAS
Complement - C1q fraction	C1q - complement fraction - serum
Complement - C2 fraction	C2 - complement fraction - serum
Complement - C3 fraction	C3 - complement fraction - serum
Complement - C3 proactivator	Factor B - complement fraction - serum
Complement - C4 fraction	C4 - complement fraction - serum
Complement - Factor B	Factor B - complement fraction - serum
Complement C1 inhibitor	C1-inhibitor - complement fraction - functional + quantitation
Complement C1 inhibitor	C1-inhibitor - complement fraction - quantitation - serum
Complement: C5 fraction	C5 - complement fraction - serum
Complement: C9 fraction	C9 - complement fraction - serum
Compound B	Corticosterone - Compound B - serum
Compound E	Cortisone - Compound E - plasma
Compound E	Cortisone - Compound E - urines
Compound F	Cortisol - Compound F - saliva
Compound F	Cortisol - Compound F - serum
Compound F	Free cortisol - Compound F - urine
Compound S	11-Deoxycortisol - Compound S - serum
Condylomes	Papillomavirus - HPV Détection and Typing of 19 high-risk HPV and 18 low-risk HPV -
Connectin - anti-antibodies	Anti-titin antibodies - serum
Constitutional Molecular Karyotype - SNP ARRAY - Product of conception	
Constitutional Molecular Karyotype-SNP ARRAY	
Constitutional Molecular Karyotype-SNP ARRAY - whole blood	
CONSTITUTIONAL ONCOGENETICS	Oncogenetic exome
Conventional acquired cytogenetics	Blood karyotype
Copper	
Copper - urine	
Copper concentration	Copper
Copper overload	Copper - urine
Coproporphyrins	Erythrocyte porphyrins
Coproporphyrins	Porphyrins - stool
Coproporphyrins	Porphyrins - Urines
Cordarone®	Amiodarone - serum
Coronavirus	COVID-19 (SARS-CoV-2) IgG serology anti-S
CoronaVirus Disease	COVID-19 (SARS-CoV-2) IgG serology anti-S
CoronaVirus Disease	COVID-19 (SARS-CoV-2) serology (total Ig) anti-N
Coronavirus HKU1, NL63, 229E, OC43	Respiratory Infection Panel - direct diagnosis - PCR
Coronavirus SARS-CoV-2	COVID-19 (SARS-CoV-2) - direct diagnosis - PCR
Coronavirus SARS-CoV-2	COVID-19 (SARS-CoV-2) IgG serology anti-S
Coronavirus SARS-CoV-2	COVID-19 - (SARS-CoV-2) - screening for S gene By RT-PCR
Coronavirus SARS-CoV-2	COVID-19 (SARS-CoV-2) serology (total Ig) anti-N
Cortexolone	11-Deoxycortisol - Compound S - serum
Corticosterone - 11-Deoxy	11-Deoxycorticosterone - serum

Corticosterone - Compound B - serum	
Corticotropin	ACTH - Corticotrophin
Corticotrophin	ACTH - Corticotrophin
Cortisol	ACTH - Corticotrophin
Cortisol - 21-Deoxy	21-Deoxycortisol - serum
Cortisol - Compound F - evening - saliva	
Cortisol - Compound F - evening - serum	
Cortisol - Compound F - morning - saliva	
Cortisol - Compound F - saliva	
Cortisol - Compound F - serum	
Cortisol Awakening Response	CAR - index - Saliva
Cortisol-binding globulin	CBG - Cortisol-Binding Globulin - Transcortin - serum
Cortisone - Compound E - plasma	
Cortisone - Compound E - urines	
Corynebacterium diphtheriae	Diphtheria - immunity test - IgG serology - serum
Cotinine - urine	
Coumachlor	Oral anticoagulants : Rodenticides - Serum
Coumadin	Oral anticoagulants : Rodenticides - Serum
Coumadin®	Oral anticoagulants : Warfarin - Serum
Coumatetralyl	Oral anticoagulants : Rodenticides - Serum
COVID	COVID 19 / Influenza virus A and B - panel - direct diagnosis - PCR
COVID 19 / Influenza virus A and B - panel - direct diagnosis - PCR	
Covid-19	Respiratory Infection Panel - direct diagnosis - PCR
COVID-19	COVID 19 / Influenza virus A and B - panel - direct diagnosis - PCR
COVID-19	COVID-19 (SARS-CoV-2) - direct diagnosis - PCR
COVID-19	COVID-19 (SARS-CoV-2) IgG serology anti-S
COVID-19	COVID-19 - (SARS-CoV-2) - screening for S gene By RT-PCR
COVID-19	COVID-19 (SARS-CoV-2) serology (total Ig) anti-N
COVID-19 - (SARS-CoV-2) - screening for S gene By RT-PCR	
COVID-19 (SARS-CoV-2) - direct diagnosis - PCR	
COVID-19 (SARS-CoV-2) IgG serology anti-S	
COVID-19 (SARS-CoV-2) serology (total Ig) anti-N	
Coxiella burnetii - phase 1 and 2 - serology - serum	
Coxiella burnetii - serology - serum	
Coxsackie virus	Enterovirus - direct diagnosis - PCR
CPK - Creatine phosphokinase - isoenzymes - serum	
CPK - Creatine phosphokinase MB - serum	
CPK - Creatine phosphokinase total - serum	
CPK isoenzymes	CPK - Creatine phosphokinase - isoenzymes - serum
CPK MB	CPK - Creatine phosphokinase MB - serum
Creatine deficiency	Guanidinoacetate and creatine - plasma
Creatine deficiency	Guanidinoacetate and creatine - urine
Creatine phosphokinase - isoenzymes	CPK - Creatine phosphokinase - isoenzymes - serum
Creatine phosphokinase MB	CPK - Creatine phosphokinase MB - serum
Creutzfeldt-Jakob	Protein 14.3.3 - CSF
Crimidine	Oral anticoagulants : Rodenticides - Serum
Crixivan®	Indinavir - Serum
Cross link	NTx - N-telopeptides of type I collagen - urines
CrossLaps	
CrossLaps - urines	
CRP - C-reactive protein - serum	
CRP - C-reactive protein - ultrasensitive - serum	
CRP - Mycobacteria	Mycobacteria - PCR M. tuberculosis complex (BKBM)
CRP full range	CRP - C-reactive protein - ultrasensitive - serum
Cryoglobulins - identification - Serum	
Cryptococcus - soluble antigen	Cryptococcus neoformans - soluble antigen - testing
Cryptococcus neoformans - soluble antigen - testing	
Cryptosporidies - Microsporidies - direct diagnosis - PCR	

Cryptosporidiose	Cryptosporidies - Microsporidies - direct diagnosis - PCR
Cryptosporidium spp.	Cryptosporidies - Microsporidies - direct diagnosis - PCR
Cryptosporidium spp.	Gastrointestinal Panel - direct diagnosis - PCR - Stools
CS2	2-thio-thiazolidine-4-carboxylic-acid - urine
CSF	
CSF electrophoresis	Isoelectric focussing - CSF + serum
CST	Iron - saturation percentage - serum
CTF	Iron - total binding capacity - serum
CTX	CrossLaps
CTX	CrossLaps - urines
Cutaneous	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
Cyamemazine - Serum	
Cyanide ions	Thiocyanates - ion - Serum
Cyanide ions	Thiocyanates - ion - urine
Cyclospora cayetanensis	Gastrointestinal Panel - direct diagnosis - PCR - Stools
Cyclosporin	
Cyclosporin A	Cyclosporin
Cyfra 21-1	Cyfra 21-1 antigen - aspiration biopsy
Cyfra 21-1	Cyfra 21-1 antigen - serum
Cyfra 21-1 antigen - aspiration biopsy	
Cyfra 21-1 antigen - serum	
Cymbalta	Duloxetine - serum
Cymevan®	Ganciclovir - plasma
Cystic Fibrosis - CFTR gene - detection of 51 mutations	
Cystic fibrosis - CFTR gene - detection of 51 mutations - whole blood	
Cysticercosis - confirmation serology	
Cysticercosis - Taenia Solium - IgG serology - serum	
cysts	Parasitology - microscopy - Stools
Cytokine	Interleukin (IL)-10 - .
Cytokine	Interleukin (IL)-6 - .
Cytokine	Interleukin (IL)-6 - serum
Cytokine	Attractive chemo protein of monocytes (MCP-1) - serum
Cytokine	Interferon gamma - serum
Cytokine	Interleukin (IL)-10 - serum
Cytokine	Interleukin (IL)-1 alpha - serum
Cytokine	Interleukin (IL)-1 beta - serum
Cytokine	Interleukin (IL)-2 - receptor
Cytokine	Interleukin (IL)-2 - serum
Cytokine	Interleukin (IL)-4 - serum
Cytokine	Interleukin (IL)-5
Cytokine	Interleukin (IL)-8 - serum
Cytokine	Panel Cytokine - IL1 beta, IL2, IL4 and IL6 - serum
Cytokine	TNF-alpha - Tumour Necrosis Factor - serum
Cytokine	Vascular Endothelial Growth Factor (VEGF) - serum
Cytomegalovirus	Cytomegalovirus - CMV - - direct diagnosis - PCR - amniotic fluid
CytomégaloVirus	Cytomegalovirus - CMV - - direct diagnosis - PCR
Cytomegalovirus - CMV - - direct diagnosis - PCR	
Cytomegalovirus - CMV - - direct diagnosis - PCR - amniotic fluid	
Cytomegalovirus - CMV - - IgG serology - serum	
Cytomegalovirus - CMV - - IgG/IgM serology - serum	
Cytomegalovirus - CMV - IgG avidity test - serum	
Cytometry	Immunophenotyping: Lymphocytes B - CD19 - whole blood
Cytometry	Immunophenotyping: Lymphocytes CD3-CD4-CD8 - whole blood
Cytometry	Immunophenotyping: Lymphocytes CD56+ / CD16+ - Natural Killer Cells - whole blood
Cytometry	Immunophenotyping: Lymphocytes NK/CD57 - whole blood
Cytosol - LC1 - anti-antibodies	Anti-liver cytosol type 1 antibodies - LC1 - confirmation - serum
Cytosol- LC1 - Abs anti	Anti-liver cytosol type 1 antibodies - LC1 - screening - serum
Cytotoxic antibodies	anti-HLA antibodies - classes I and II - transplant - serum

D hepatitis	Hepatitis Delta - antigen - serum
D hepatitis	Hepatitis Delta - IgM antibody - serum
D hepatitis	Hepatitis Delta - total antibodies - serum
D-Di	D-Dimers - plasma
D-Dimers - plasma	
D4A - Delta-4-Androstenedione - serum	
Dabigatran - Measurement of the Dabigatran anti lia activity - plasma	
Dacryocytes	Erythrocytes morphological aspect
Dahlback factor	Activated protein C resistance - plasma
Dahlback test	Activated protein C resistance - plasma
Dalacine®	Clindamycin - Serum
Danaparoid - anti-Xa	Anti-Xa activity : Danaparoid - Orgaran - plasma
Daonil	Glibenclamide - serum
Darunavir - Serum	
Datamcine	Gentamicine - serum
DAZ gene - deleted in azoospermia	Y chromosome - (regions AZFs, AZFb, AZFc) - whole blood
DDM	4,4'-Methylenedianiline - urine
Decarboxytransferrin	Carbohydrate-deficient transferrin - serum
Defanyl®	Amoxapine - Serum
Dehydro-epiandrosterone	DHEA - Dehydroepiandrosterone - serum
Dehydroepiandrosterone sulfate	DHEAS - Dehydroepiandrosterone sulfate - serum
Déhydroépiandrostérone sulfate	Sulfate DHEA salivary - saliva
delta 5-pregnenolone sulfate	Pregnenolone sulfate - serum
Delta antigen	Hepatitis Delta - antigen - serum
delta hepatitis	Hepatitis Delta - antigen - serum
delta hepatitis	Hepatitis Delta - total antibodies - serum
Delta hepatitis	Hepatitis Delta - IgM antibody - serum
Delta virus - antigen	Hepatitis Delta - antigen - serum
Delta-4-androstenedione	D4A - Delta-4-Androstenedione - serum
Delta-5-pregnenolone	17-Hydroxy-Pregnenolone - serum
Delta-5-pregnenolone	Pregnenolone - serum
delta-Aminolevulinic acid - urine	
dengue	Dengue fever - IgG/IgM serology - serum
Dengue fever - IgG/IgM serology - serum	
Deoxycholic acid	Bile acids - chromatography - serum
Deoxycholic acid	Bile acids - serum
Deoxycorticosterone - 11	11-Deoxycorticosterone - serum
deoxycortisol - 11	11-Deoxycortisol - Compound S - serum
Depakine®	Valproic acid - serum
Depakote	Valproic acid - serum
Depamide®	Valproic acid - serum
Derma Check	Juvenalis - DermaCheck
dermatomyositis	Myosite Markers - serum
Dermatophyte	Fungus - Yeasts - identification
Deroxat®	Paroxetine - serum
Designated bacterium - direct diagnosis - PCR	
Desipramine	Imipramine - Serum
Desmethylclomipramine	Clomipramine - Serum
Desmethylozapine	Clozapine
Desmethylimipramine	Imipramine - Serum
desmoglein 1	Anti-epidermal basement membrane and intracellular substance antibodies Typing
desmoglein 3	Anti-epidermal basement membrane and intracellular substance antibodies Typing
Desmosomes - anti-antibodies	Anti-epidermal basement membrane and intracellular substance antibodies - serum
Detection and identification bacterial DNA by NGS sequencing	
Detection of free light chains	Bence Jones - screening
DEVELOPMENTAL DISORDER	Exome Isolated or syndromic intellectual disability and syndromic neurodevelopmental
Dexambutol®	Ethambutol - Serum
Dextropropoxyphene - urine	

Dextroref®	Dextropropoxyphene - urine
DFI	DNA fragmentation test - DNA decondensation - SCSA - Sperm
DHA	DHEA - Dehydroepiandrosterone - serum
DHA sulfate	DHEAS - Dehydroepiandrosterone sulfate - serum
DHAS	DHEAS - Dehydroepiandrosterone sulfate - serum
DHAS	Sulfate DHEA salivary - saliva
DHEA - Dehydroepiandrosterone - serum	
DHEAS - Dehydroepiandrosterone sulfate - serum	
DHT - Dihydrotestosterone - serum	
Di Dolko®	Dextropropoxyphene - urine
Di-Antalvic®	Dextropropoxyphene - urine
Di-Hydant®	Phenytoin - serum
Diacomit®	Stiripentol - Serum
Dialgirex®	Dextropropoxyphene - urine
Diamine oxydase	Diamine oxydase (DAO) - activity - serum
Diamine oxydase	Juvenalis - DAO - activity - serum
Diamine oxydase (DAO) - activity - serum	
Diaminodiphenylmethane	4,4'-Methylenedianiline - urine
Diazepam + desmethyldiazepam - Serum	
Dibenzoazepine	Phenothiazines - aspiration biopsy
Dibenzoazepine	Phenothiazines - Serum
Dichloromethane - urine	
Dicofol	Pesticides - screening and/or dosage
Dicofol	Pesticides - screening and/or dosage - urine
Dicynone	Specific IgE : ammonium IV - curare - serum
Dieldrin	Pesticides - screening and/or dosage
Dieldrin	Pesticides - screening and/or dosage - urine
Difethialone	Oral anticoagulants : Rodenticides - Serum
Digest Check	Juvenalis - DigestCheck
Digestion	Faecal test -Functional coprology - stool
Digestive	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
Digestive	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
DIGESTIVE CANCER	Oncogenetic exome
Digestive parasitosis	Helminthes - Protozoaires - direct diagnosis - PCR - stool
Digoxin - serum	
dihydropyrimidine dehydrogenase deficiency	Uracile - dosage(search a risk of toxicity to fluoropyrimidines)
dihydropyrimidine dehydrogenase phenotype	Uracile - dosage(search a risk of toxicity to fluoropyrimidines)
Dihydrotestosterone	DHT - Dihydrotestosterone - serum
Dihydroxyvitamin D3 - 1,25	Vitamin D - 1,25-dihydroxyvitamin D - serum
Dilantin	Phenytoin - serum
Dilated heart disease	Cardiogenetic exome
Dilatrane®	Theophylline - serum
Diltiazem - serum	
Dilute Russell's viper venom time	Circulating Lupus anticoagulant - screening - plasma
dimethylbenzoic acids - 2.5 - 3.4 - 2.4	2,5-; 3,4-; 2,4-dimethylbenzoic acids - urine
Dioalgo®	Dextropropoxyphene - urine
Diphacinone	Oral anticoagulants : Rodenticides - Serum
Diphantoin	Phenytoin - serum
Diphenylhydantoin	Phenytoin - serum
diphtheria	Diphtheria - immunity test - IgG serology - serum
Diphtheria - immunity test - IgG serology - serum	
Diphtheria - screening	Aerobic bacterium - screening
Diphtheria toxin - anti-antibodies	Diphtheria - immunity test - IgG serology - serum
Dipiperon®	Pipamperone - Serum
Dipropylacetamide	Valproic acid - serum
Dipyridamole - Serum	
Direct antiglobulin test	Erythrocyte direct Coombs - whole blood
Direct Coombs test	Erythrocyte direct Coombs - whole blood

Direct LDL cholesterol - serum	
Disopyramide - serum	
Distomatosis - confirmation serology - serum	
Distomatosis - screening serology - serum	
Diuretics - screening and dosage - urine	
Divalproate de sodium	Valproic acid - serum
DLST	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
DLST	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
DNA bacterien	Detection and identification bacterial DNA by NGS sequencing
DNA chip	Constitutional Molecular Karyotype-SNP ARRAY
DNA chip	Constitutional Molecular Karyotype-SNP ARRAY - whole blood
DNA CHIP	Prenatal exome
DNA Fragmentation Index	DNA fragmentation test - DNA decondensation - SCSA - Sperm
DNA fragmentation test - DNA decondensation - SCSA - Sperm	
DNMT3A	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
DNMT3A	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
DOC	11-Deoxycorticosterone - serum
Dogmatil®	Sulpiride - Serum
Dolutegravir - Serum	
Dopamine	Catecholamines - free - Urine
Dopamine	Free catécholamines
Dopamine	Free catécholamines - children - urine
Dosulepin - Serum	
Down syndrome	Trisomy 21 - 1st trimester combined screening - serum
Down syndrome	Trisomy 21 - maternal serum markers - 2 parameters - serum
Down syndrome	Trisomy 21 - maternal serum markers - 3 parameters - serum
Doxepin - Serum	
Doxy®	Doxycycline - Serum
Doxycycline - Serum	
Doxylin®	Doxycycline - Serum
Doxypalu®	Doxycycline - Serum
DP, DQ, DR alleles - genotyping	Class II HLA - HLA-DQ and HLA-DR genotyping - whole blood
DPNI	Genome Wide (Autosomes and autosomes chromosomal rearrangements > 7Mb)
DPNI	Genome Wide complet (Autosomes and autosomes chromosomal rearrangements > 7
DPNI	Ninalia 3 (T13 T18 T21)
DPNI	Ninalia 5 (T13 T18 T21, Fetal gender ans sex chromosomes aneuploidies)
DPPX abs CSF	CSF
Droleptan®	Droperidol - serum
Droperidol - serum	
dRVVT	Circulating Lupus anticoagulant - screening - plasma
dsDNA - anti-antibodies	Anti-DNA antibodies Double stranded DNA - serum
dsDNA - anti-antibodies	Anti-DNA antibodies double stranded - Farr test - serum
Duloxetine - serum	
D.xylose test	Xylose - serum
Dysgammaglobulinemia	Immunobinding - serum
Dysgammaglobulinemia	Protein electrophoresis and Immunobinding - serum
E1	Oestrone - serum
E. coli O157:H7	Gastrointestinal Panel - direct diagnosis - PCR - Stools
E. granulosus - E. multilocularis	Echinococcosis - confirmation serology - serum
E. granulosus - E. multilocularis	Echinococcosis - screening serology - serum
E hepatitis	Hepatitis E - IgG antibody - serum
E hepatitis	Hepatitis E - IgM antibody - serum
E2	Oestradiol - man/child - serum
E2	Oestradiol - woman - serum
EA - IgA serology	Epstein-Barr Virus - EBV - IgA EA serology - serum
EA - IgG serology	Epstein-Barr Virus - EBV - IgG EA serology - serum
early antigen	Epstein-Barr Virus - EBV - IgA EA serology - serum
Early antigen	Epstein-Barr Virus - EBV - IgG EA serology - serum

EBNA - IgG serology	Epstein-Barr Virus - EBV - VCA IgG, EBNA, IgG serology - serum
EBV	Epstein-Barr Virus - EBV - direct diagnosis - PCR
EBV	Epstein-Barr Virus - EBV - IgA EA serology - serum
EBV	Epstein-Barr Virus - EBV - IgG EA serology - serum
EBV	Epstein-Barr Virus - EBV - VCA IgA serology - serum
EBV	Epstein-Barr Virus - EBV - VCA IgG, EBNA, IgG serology - serum
EBV	Epstein-Barr Virus - EBV - VCA IgG/IgM and EBNA IgG serology - serum
EBV	Epstein-Barr Virus - EBV - VCA IgM serology - serum
EBV	viral meningoencephalitis panel - direct diagnosis - PCR - CSF
Echinococcosis - confirmation serology - serum	
Echinococcosis - screening serology - serum	
echinocytes	Erythrocytes morphological aspect
ECP - Eosinophil Cationic Protein	
Ecstasy	Amphetamines confirmation - blood test
Ecstasy	Amphetamines - confirmation - urine
Ecstasy	Amphetamines - screening - urine
ECT - anti-antibodies	Anti-ENA antibodies (SSA, SSB, Sm, Rnp, Jo1, Scl-70) - screening and titration - serum
EDDP	Methadone and EDDP - Serum
Edurant	Rilpivirine
Efavirenz	
Effexor®	Venlafaxine - serum
Effient	VASP - VAsodilatator Stimulated Phosphoprotein - whole blood
Efient	VASP - VAsodilatator Stimulated Phosphoprotein - whole blood
EGBE	Butoxyacetic acid - urine
EGFR	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
EGFR	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
eggs	Parasitology - microscopy - Stools
EGLN1	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
EGLN2	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
EGLN2	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
Eicosapentaenoic acid	Erythrocyte fatty acids - chromatography - Total EDTA blood
EJ - anti-antibodies	Myosite Markers - serum
Elavil®	Amitriptyline - Serum
Electrolytes stool - stool	
electrophoresis of alkaline phosphatases	Alkaline phosphatases - isoenzymes - serum
Eliquis	Apixaban(Eliquis ®) - Anti Xa activity measurement - plasma
elliptocytes	Erythrocytes morphological aspect
Elvitegravir - Serum	
Emtricitabine - plasma	
Emtriva®	Emtricitabine - plasma
ENA - anti-antibodies	Anti-ENA antibodies (SSA, SSB, Sm, Rnp, Jo1, Scl-70) - screening and titration - serum
Enbrel®	Etanercept - serum
Encephalitozoon intestinalis	Cryptosporidies - Microsporidies - direct diagnosis - PCR
Endocrine tumors	Serotonin - whole blood
Endocrinologie	ACTH - Corticotrophin
Endocrinologie	hcG dimeric molecule (alpha + beta) - serum
Endocrinologie	Oestradiol - woman - serum
Endocrinologie	Sulfate DHEA salivary - saliva
Endocrinology	11-Deoxycortisol - Compound S - serum
Endocrinology	11-Deoxycorticosterone - serum
Endocrinology	17-Hydroxyprogesterone - serum
Endocrinology	21-Deoxycortisol - serum
Endocrinology	3-Alpha-Androstenediol Glucuronide - serum
Endocrinology	5-HIAA - 5-hydroxyindoleacetic acid - Urine
Endocrinology	ACTH - Corticotrophin - evening
Endocrinology	ACTH - Corticotrophin - morning
Endocrinology	ADH - Antidiuretic hormone - urine
Endocrinology	Aldosterone

Endocrinology	Aldosterone - Lying down
Endocrinology	Aldosterone - Standing or Sitting position
Endocrinology	Aldosterone - urine
Endocrinology	Alpha subunit - hCG, FSH, LH, TSH - serum
Endocrinology	AMH - Anti-Müllerian hormone - Child - serum
Endocrinology	AMH - Anti-Müllerian hormone - serum
Endocrinology	Angiotensin II - plasma
Endocrinology	CA 50 antigen - serum
Endocrinology	CAR - index - Saliva
Endocrinology	Catecholamines - free - Urine
Endocrinology	Corticosterone - Compound B - serum
Endocrinology	Cortisol - Compound F - evening - saliva
Endocrinology	Cortisol - Compound F - evening - serum
Endocrinology	Cortisol - Compound F - morning - saliva
Endocrinology	Cortisol - Compound F - saliva
Endocrinology	Cortisol - Compound F - serum
Endocrinology	Cortisone - Compound E - plasma
Endocrinology	Cortisone - Compound E - urines
Endocrinology	C-peptide - serum
Endocrinology	C-peptide - Urines
Endocrinology	D4A - Delta-4-Androstenedione - serum
Endocrinology	DHEAS - Dehydroepiandrosterone sulfate - serum
Endocrinology	DHT - Dihydrotestosterone - serum
Endocrinology	Free catécholamines
Endocrinology	Free catécholamines - children - urine
Endocrinology	Free cortisol - Compound F - urine
Endocrinology	Free T3 - Free triiodothyronine - serum
Endocrinology	Free T4 - Free thyroxine - serum
Endocrinology	FSH - Follicle-stimulating hormone - serum
Endocrinology	FSH - Follicle-stimulating hormone - urines
Endocrinology	Gastrin - serum
Endocrinology	GH - Growth hormone - serum
Endocrinology	Ghrelin - acylated and non acylated - plasma
Endocrinology	GHRH - Growth-Hormone-Releasing-Hormone - plasma
Endocrinology	Glucagon - plasma
Endocrinology	hCG - free beta chain - subunit - serum
Endocrinology	HOMA - index - serum
Endocrinology	Homovanillic acid - Urine
Endocrinology	IGF-1 - Somatomedin C - serum
Endocrinology	IGF-2 - serum
Endocrinology	IGFBP-3 - Insulin-like Growth Factor Binding protein-3 - serum
Endocrinology	Inhibin A - serum
Endocrinology	Inhibin A - ultrasensitive - serum
Endocrinology	Inhibin B
Endocrinology	Inhibin B - Child - serum
Endocrinology	Leptin - serum
Endocrinology	LH - Luteinising hormone - serum
Endocrinology	LH - Luteinising hormone - urines
Endocrinology	Methoxylated derivatives of catecholamines - Free metanephrines
Endocrinology	Methoxylated derivatives of catecholamines - Free metanephrines - child - urine
Endocrinology	Methoxylated derivatives of catecholamines - Free metanephrines - Urine
Endocrinology	Oestradiol - man/child - serum
Endocrinology	Oestrone - serum
Endocrinology	Pregnenolone - serum
Endocrinology	Proinsulin - serum
Endocrinology	Prolactin - molecular forms - serum
Endocrinology	Prolactin - serum
Endocrinology	PTH-RP - Parathormone related protein - plasma

Endocrinology	Renin active
Endocrinology	Renin Active - lying
Endocrinology	Renin active- standing
Endocrinology	rT3 - Reverse triiodothyronine
Endocrinology	Serotonin - whole blood
Endocrinology	Sex-Binding Globulin - SHBG - serum
Endocrinology	Somatostatin - plasma
Endocrinology	Steroid profile - urine
Endocrinology	Steroids panel - Examination of gonad function
Endocrinology	Steroids panel - Exploration of hirsutism
Endocrinology	Steroids panel - Study of amniotic fluid - Amniotic fluid
Endocrinology	Steroids panel - Testing for a disorder in steroid biosynthesis
Endocrinology	T3 - Triiodothyronine - urine
Endocrinology	T4 - Thyroxine - urine
Endocrinology	Testosterone bioavailability - serum
Endocrinology	Testosterone Bioavailable - woman/ child - serum
Endocrinology	Testosterone free - Serum
Endocrinology	Testosterone - man - serum
Endocrinology	Testosterone - woman/child - serum
Endocrinology	Thyroxine-binding globulin - TBG - serum
Endocrinology	Total T3 - Total triiodothyronine - serum
Endocrinology	Total T4 - Total thyroxine - serum
Endocrinology	TSH - Thyroid-stimulating hormone - Third generation - serum
Endocrinology	Type III procollagen - serum
Endocrinology	Vanilmandelic acid - Urine
Endocrinology	VIP - Vasoactive Intestinal Polypeptide - plasma
EndocrinologyY	DHEA - Dehydroepiandrosterone - serum
EndocrinologyY	Pregnenolone sulfate - serum
Endomysium - anti-IgA antibodies	Anti-endomysium antibodies - IgA - serum
Endomysium - anti-IgG antibodies	Anti-endomysium antibodies - IgG - serum
Endoplasmic reticulum - anti-antibodies - screening	Anti-LKM antibodies - endoplasmic reticulum - screening - serum
Endoplasmic reticulum - anti-antibodies - typing	Anti-LKM antibodies - endoplasmic reticulum - typing - serum
Endosulfan: alpha, beta, ether, lactone, sulfate	Pesticides - screening and/or dosage
Endosulfan: alpha, beta, ether, lactone, sulfate	Pesticides - screening and/or dosage - urine
Endothelial cells - anti-antibodies	Anti-endothelial cell antibodies - serum
Endrin	Pesticides - screening and/or dosage
Endrin	Pesticides - screening and/or dosage - urine
Enolemie	Ethyl alcohol - serum
Entamoeba histolytica	Amoebiasis - serology - serum
Entamoeba histolytica	Gastrointestinal Panel - direct diagnosis - PCR - Stools
Entecavir - plasma	
enteral transmission	Hepatitis E - IgG antibody - serum
enteral transmission	Hepatitis E - IgM antibody - serum
Enteramin	Serotonin - whole blood
Enteraggregative E. coli (EAEC)	Gastrointestinal Panel - direct diagnosis - PCR - Stools
Enterocytozoon bienersi	Cryptosporidies - Microsporidies - direct diagnosis - PCR
Enteropathogenic E. coli (EPEC)	Gastrointestinal Panel - direct diagnosis - PCR - Stools
Enterotoxigenic E. coli (ETEC) lt/st	Gastrointestinal Panel - direct diagnosis - PCR - Stools
Enterovirus	viral meningoencephalitis panel - direct diagnosis - PCR - CSF
Enterovirus - direct diagnosis - PCR	
Envarsus	Tacrolimus - FK-506
Eosinophil Cationic Protein	ECP - Eosinophil Cationic Protein
Epanutin	Phenytoin - serum
EPAS1	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
EPAS1	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
EPCAM	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
EPCAM	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
EPCAM	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,

Epidermal - anti-antibodies	Anti-epidermal basement membrane and intracellular substance antibodies - serum
Epididymal protein 4	HE4- ROMA calculation - serum
Epinephrine	Catecholamines - free - Urine
Epinephrine	Free catécholamines
Epinephrine	Free catécholamines - children - urine
Epitomax®	Topiramate - serum
Epivir®	Lamivudine - plasma
EPO	Erythropoietin - serum
Epstein-Barr virus	viral meningoencephalitis panel - direct diagnosis - PCR - CSF
Epstein-Barr Virus - EBV - direct diagnosis - PCR	
Epstein-Barr Virus - EBV - IgA EA serology - serum	
Epstein-Barr Virus - EBV - IgG EA serology - serum	
Epstein-Barr Virus - EBV - MNI test - serum	
Epstein-Barr Virus - EBV - VCA IgA serology - serum	
Epstein-Barr Virus - EBV - VCA IgG, EBNA, IgG serology - serum	
Epstein-Barr Virus - EBV - VCA IgG/IgM and EBNA IgG serology - serum	
Epstein-Barr Virus - EBV - VCA IgM serology - serum	
Equanil®	Meprobamate - Serum
Equanil®	Meprobamate - urine
ERBB2	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
ERBB2	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
Erelzi ®	Etanercept - serum
Ergocalciferol - vitamin D2	Vitamin D - 25-hydroxyvitamin D - D2 + D3 - serum
erm	Non tuberculosis mycobacteria - PCR detection of macrolide and aminoglycoside
ERVE serology	Tick-borne encephalitis - TBE - IgG/IgM serology - serum
Erythema infectiosum	Parvovirus B19 - IgG/IgM serology - serum
Erythrocyte direct Coombs - whole blood	
Erythrocyte fatty acids - chromatography - Total EDTA blood	
Erythrocyte folic acid - whole blood	
Erythrocyte lithium	Erythrocyte lithium - whole blood
Erythrocyte lithium - whole blood	
Erythrocyte magnesium - whole blood	
Erythrocyte porphyrins	
Erythrocyte pyruvate kinase	Erythrocyte pyruvate kinase - whole blood
Erythrocyte pyruvate kinase - whole blood	
Erythrocytes folates	Erythrocyte folic acid - whole blood
Erythrocytes morphological aspect	
Erythrocytes vitamin B9	Erythrocyte folic acid - whole blood
Erythropoietin - anti-antibodies	Anti-erythropoietin antibodies - serum
Erythropoietin - serum	
Erythrovirus B19 - direct diagnosis - PCR	Parvovirus B19 - direct diagnosis - PCR
Erythrovirus B19 - IgG serology	Parvovirus B19 - immunity test - serum
Erythrovirus B19 - IgG/IgM serology	Parvovirus B19 - IgG/IgM serology - serum
Escitalopram - serum	
Eslicarbazepine	10-Hydroxy-carbazepine - serum
Esmeron	Specific IgE : ammonium IV - curare - serum
Estazolam - Serum	
Etanercept - serum	
Ethacrynic acid	Diuretics - screening and dosage - urine
Ethambutol - Serum	
Ethanol	Ethyl alcohol
Ethanol	Ethyl alcohol - serum
Ethionamide resistance	Mycobacteria - PCR detection of mutations associated with resistance to isoniazid,
Ethosuximide - serum	
Ethyl alcohol	
Ethyl alcohol - serum	
Ethyl loflazepate	
Etravirine	

Euphylline	Theophylline - serum
EUROIMMUN EUROLINE Dot	IgE against multiple individual allergens - food allergens - serum
EUROIMMUN EUROLINE Dot	IgE against multiple individual allergens - Food and Inhalant panels - serum
EUROIMMUN EUROLINE Dot	IgE against multiple individual allergens - inhalant allergens - serum
Everolimus	
Eviplera	Emtricitabine - plasma
Eviplera	Rilpivirine
Eviplera	Tenofovir - plasma
Exacor®	Cibenzoline - Serum
Exanthem subitum - serology	Herpes virus type 6 - IgG serology - serum
Excess fat in stools	Steatorrhoea - fat dosage - stool
Exocrine pancreas - anti-antibodies	Anti-exocrine pancreas antibodies - serum
exome	
Exome	Exome Isolated or syndromic intellectual disability and syndromic neurodevelopmental
Exome	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
Exome	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
Exome	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
Exome	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
Exome	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
Exome	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
Exome	Prenatal exome
Exome	réinterprétation d'exome
Exome	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
Exome	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
EXOME	exome
EXOME	Exome Congenital heart defects
EXOME	Exome Panel for chronic and hereditary pancreatitis
EXOME	Exome with interpretation interface
EXOME	Nephrology exome
EXOME	Oncogenetic exome
Exome Congenital heart defects	
Exome Isolated or syndromic intellectual disability and syndromic neurodevelopmental	
Exome Panel for chronic and hereditary pancreatitis	
Exome sequencing - Male infertility - Screening for mutations involved in male infertility	
Exome with interpretation interface	
Exons and flanking intronic regions	Cardiogenetic exome
Exons and flanking intronic regions	exome
Exons and flanking intronic regions	Exome Congenital heart defects
Exons and flanking intronic regions	Exome Isolated or syndromic intellectual disability and syndromic neurodevelopmental
Exons and flanking intronic regions	Exome Panel for chronic and hereditary pancreatitis
Exons and flanking intronic regions	Exome with interpretation interface
Exons and flanking intronic regions	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
Exons and flanking intronic regions	Nephrology exome
Exons and flanking intronic regions	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
Exons and flanking intronic regions	Oncogenetic exome
Exons and flanking intronic regions	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
Exons and flanking intronic regions	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
Exons and flanking intronic regions	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
Exons and flanking intronic regions	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
Exons and flanking intronic regions	Prenatal exome
Exons and flanking intronic regions	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
Exons and flanking intronic regions	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-	
Extended phenotype - whole blood	
F 1+2	Fragment 1+2 - prothrombin - plasma
Fabry - disease	Alpha-galactosidase A - EDTA whole blood spot on Guthrie card
Fabry disease	Lyso-Gb3
Fabry's disease	Alpha-galactosidase A - EDTA whole blood spot on Guthrie card
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Factor 13	Factor XIII - plasma
Factor B - complement fraction - serum	
Factor I - complement fraction - serum	
Factor I - Fibrinogen - activity - plasma	
Factor I - Fibrinogen - antigen - plasma	
Factor II - anti-IgG antibodies	Anti-prothrombin antibodies - IgG - serum
Factor II - Prothrombin - activity - plasma	
Factor II - Prothrombin - G20210G>A mutation - whole blood	
Factor IX - Antihæmophilic B - plasma	
Factor IX inhibitors	Anti-factor IX antibodies - screening - plasma
Factor V - Proaccelerin - plasma	
Factor V inhibitors	Anti-Factor V antibodies - screening - plasma
Factor V Leiden - p.Arg506Gln mutation - whole blood	
Factor VII - anti-antibodies	Anti-factor VII antibodies - screening - plasma
Factor VII - Proconvertin - plasma	
Factor VII inhibitors	Anti-factor VII antibodies - screening - plasma
Factor VIII - Antihæmophilic A - plasma	
Factor VIII inhibitors	Anti-factor VIII antibodies - screening - plasma
Factor VIII-related antigen	Von Willebrand factor - plasma
Factor Willebrand protease activity - ADAMTS 13	
Factor X - Stuart-Prower - plasma	
Factor XI - Rosenthal - plasma	
Factor XI inhibitors	Anti-factor XI antibodies - screening - plasma
Factor XII - Hageman - plasma	
Factor XII inhibitors	Anti-factor XII antibodies - screening - plasma
Factor XIII - plasma	
Faecal test -Functional coprology - stool	
Familial Mediterranean fever - MEFV gene - new generation sequencing - whole blood	
Farr test	Anti-DNA antibodies double stranded - Farr test - serum
Fasciola Hepatica - serology	Distomatosis - screening serology - serum
Fatty acids free non-esterified - serum	
FDP	FDP - fibrinogen and fibrin degradation products - plasma
FDP - fibrinogen and fibrin degradation products - plasma	
Felbamate - Serum	
Ferti Check	Juvenalis - Panel - FertiCheck - man
Ferti Check	Juvenalis - Panel - FertiCheck - woman
fetal red blood cells in maternal blood	Fetal-maternal hæmorrhage - whole blood
FETAL RH3 (RHE)	Fetal RH3(E) - genotyping
Fetal RH3(E) - genotyping	
FETAL RH4 (RHc)	Fetal RHc - genotyping
Fetal RHc - genotyping	
Fetal-maternal hæmorrhage - whole blood	
FH	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
FH	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
FH	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
FHSR	Hantavirus - IgG/IgM serology - serum
Fibrin monomers	Soluble complexes
Fibrin stabilising factor	Factor XIII - plasma
Fibrinogen - antigen	Factor I - Fibrinogen - antigen - plasma
Fibrinogen - functional	Factor I - Fibrinogen - activity - plasma
Fibrinogen - quantitation	Factor I - Fibrinogen - antigen - plasma
Fibrinogen and fibrin degradation products	FDP - fibrinogen and fibrin degradation products - plasma
Fibroma	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
FibroMAX - . - serum	
FibroMeter - .	
FibroTest®	NASH-FibroTest - serum
FIBROTEST	FibroMAX - . - serum
Fibrotest - Actitest - . - serum	

Fifth disease - direct diagnosis - PCR	Parvovirus B19 - direct diagnosis - PCR
Fifth disease - IgG serology	Parvovirus B19 - immunity test - serum
Fifth disease - IgG/IgM serology	Parvovirus B19 - IgG/IgM serology - serum
Filaria	Filariasis - serology - serum
Filariasis - serology - serum	
FIN - anti-antibodies	Anti-intrinsic factor antibodies - serum
Fit-test	Haemoglobin - screening - stool
Flavivirosis	Zika - serology - serum
Flavivirus	Dengue fever - IgG/IgM serology - serum
Flavivirus - dengue fever	Dengue fever - IgG/IgM serology - serum
FLCN	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
FLCN	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
Flecaine®	Flecainide - serum
Flecainide - serum	
Fletcher factor	Prekallikrein - activity - plasma
FLNC	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
Flow cytometry or circulating lymphocytes	Immunophenotyping of malignant hemopaties
Floxyfral®	Fluvoxamine - serum
FLU	Free cortisol - Compound F - urine
Fluanxol®	Flupentixol - Serum
Fluconazole - Serum	
Flucytosine - Serum	
Fluisedal®	Promethazine - serum
Fluke	Distomatosis - confirmation serology - serum
Fluke	Distomatosis - screening serology - serum
Flunitrazepam - serum	
Fluorine - Serum	
Fluorine - urine	
Fluorine concentration	Fluorine - Serum
Fluorine overload	Fluorine - urine
Fluorocytosine 5-	Flucytosine - Serum
Fluoropyrimidines toxicity	Uracile - dosage(search a risk of toxicity to fluoropyrimidines)
Fluoropyrimidines toxicity risk evaluation Genotyping of dihydropyrimidine dehydrogenase	
Fluoroquinolones resistance	Mycobacteria - PCR detection of mutations associated with resistance to isoniazid,
Fluoxetine - serum	
Flupentixol - Serum	
Fluphenazine - Serum	
Fluvoxamine - serum	
FMF	Familial Mediterranean fever - MEFV gene - new generation sequencing - whole blood
FMR1	Fragile X - syndrome - whole blood
foetal rhesus	Rhesus D - foetal genotype
Folates	Folic acid - serum
Folic acid - serum	
Follicle-stimulating hormone	FSH - Follicle-stimulating hormone - serum
Follicle-stimulating hormone	FSH - Follicle-stimulating hormone - urines
Folliculin	Oestradiol - man/child - serum
Folliculin	Oestradiol - woman - serum
Fonzylane®	Buflomedil - serum
Food intolerance	IgG Food Intolerance Panel 287 foods - serum
Food intolerance	Nutritol - IgG food panel - 100 foods - serum
Food intolerance	Nutritol - IgG food panel - 25 foods - serum
Food intolerance	Nutritol - IgG food panel - 50 foods VEGAN - serum
Food intolerance	Nutritol - IgG food panel - 50 foods - serum
Formaldehyde	Formic acid - urine
Formaline	Formic acid - urine
Formic acid - urine	
Fortum®	Ceftazidime - Serum
Fosamprenavir - Serum	

Fosfocine®	Fosfomycin - Serum
Fosfomycin - Serum	
Fosphenytoin	Phenytoin - serum
Fragile X - syndrome	
Fragile X - syndrome - whole blood	
Fragment 1+2 - prothrombin - plasma	
Francisella tularensis - serology	Tularemia - Francisella tularensis - serology - serum
Free beta-hCG chain	hCG - free beta chain - subunit - serum
Free calcium	Ionised calcium
Free catécholamines	
Free catécholamines - children - urine	
Free cortisol - Compound F - urine	
Free lite	Kappa free light chains - serum
Free lite	Lambda free light chains - serum
Free methoxyamines	Methoxylated derivatives of catecholamines - Free metanephrines
Free prostate-specific antigen	PSA - Prostate-specific antigen free - serum
Free protein S - antigen - plasma	
Free protein S antigen	Free protein S - antigen - plasma
Free PS Ag	Free protein S - antigen - plasma
Free T3 - Free triiodothyronine - serum	
Free T4 - Free thyroxine - serum	
Free tetraiodothyronine	Free T4 - Free thyroxine - serum
Free thyroxine	Free T4 - Free thyroxine - serum
Free triiodothyronine	Free T3 - Free triiodothyronine - serum
Free water clearance	Water - free - clearance
Freezing point depression measurement	Osmolarity - serum
Freezing point depression measurement	Osmolarity - urines
Fructosamine - serum	
FSF	Factor XIII - plasma
FSH - Follicle-stimulating hormone - serum	
FSH - Follicle-stimulating hormone - urines	
FT3	Free T3 - Free triiodothyronine - serum
FT4	Free T4 - Free thyroxine - serum
FTA	Syphilis - IgM serology - serum
Full blood count	Leukocyte Count Detailed
Functional coprology	Faecal test -Functional coprology - stool
Functional investigation	Faecal test -Functional coprology - stool
Fungizone®	Amphotericin B - Serum
Fungus - Yeasts - identification	
Fungus - Yeasts - MIC: Minimum Inhibitory Concentration	
Fungus - Yeasts - screening	
Furosemide	Diuretics - screening and dosage - urine
Furosemide - serum	
Furosemide - urine	
Fycompa®	Perampanel - Serum - PERAMPANEL
G20210A mutation	Factor II - Prothrombin - G20210G>A mutation - whole blood
G6PD	G6PD - Glucose-6- phosphate dehydrogenase
G6PD - Glucose-6- phosphate dehydrogenase	
GAA	Guanidinoacetate and creatine - plasma
GAA	Guanidinoacetate and creatine - urine
Gabapentin - serum	
GABAR abs CSF	CSF
GAD65 - anti-antibodies	Anti-GAD antibodies - serum
GAG	Mucopolysaccharides - urines
Galactomannan	Aspergillosis - soluble antigen - testing - BAL
Galactomannan	Aspergillosis - soluble antigen - testing - serum
Galactose-1-Phosphate Uridyl transferase - whole blood	
Galactosemia	Galactose-1-Phosphate Uridyl transferase - whole blood

GAM	IgA/G/M - Immunoglobulins A/G/M - serum
Gamma linoleic acid	Erythrocyte fatty acids - chromatography - Total EDTA blood
Gamma-hydroxybutyric acid	GHB - Gamma-hydroxybutyric acid - urines
Gamma-interferon	Interferon gamma - CSF
Gamma-interferon	Interferon gamma - serum
Ganciclovir - plasma	
Ganglioma	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
Gangliosides - anti-antibodies	Anti-glycolipid antibodies - CSF
Gangliosides - anti-antibodies	Anti-glycolipid antibodies - serum
Gastric	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
Gastrin - serum	
Gastrointestinal Panel - direct diagnosis - PCR - Stools	
Gaucher - disease	Chitotriosidase - activity
Gaucher disease	Beta glucosidase - EDTA whole blood spot on Guthrie card
Gaucher disease	Chitotriosidase - activity
GBM - anti-antibodies	Anti-glomerular basement membrane antibody - serum
Genetics of infertility	Exome sequencing - Male infertility - Screening for mutations involved in male infertility
Genital ulcérations panel - direct diagnosis - PCR	
Genome Wide (Autosomes and autosomes chromosomal rearrangements > 7Mb)	
Genome Wide complet (Autosomes and autosomes chromosomal rearrangements > 7 Mb +	
Genotyping - HCV	Hepatitis C - genotyping
Genotyping of S and Z alpha-1-antitrypsin variants	Alpha-1 Antitrypsin (SERPINA1 Gene) - Genotyping of S and Z variants (mutations
Gentalline	Gentamicine - serum
Gentalline®	Gentamicine - serum
Gentamicine - serum	
GH - Growth hormone - serum	
GH-RH	GHRH - Growth-Hormone-Releasing-Hormone - plasma
GHB - Gamma-hydroxybutyric acid - urines	
Ghrelin - acylated and non acylated - plasma	
GHRH - Growth-Hormone-Releasing-Hormone - plasma	
Giardia intestinalis	Gastrointestinal Panel - direct diagnosis - PCR - Stools
Giardia intestinalis	Parasitology - microscopy - Stools
Gilbert Syndrome - Screening for UGT1A1*28 (rs8175347) polymorphism	
GIST	PDGFR alpha - exons 12, 14, 18
Gliadin - anti-IgA antibodies	Anti deamidated gliadin peptides antibodies IgA - IgA - serum
Gliadin - anti-IgG antibodies	Anti deamidated gliadin peptides antibodies IgA - IgG - serum
Glibenclamide	Sulphonylureas - serum
Glibenclamide	Sulphonylureas - urine
Glibenclamide - serum	
Glibornuride	Sulphonylureas - serum
Glibornuride	Sulphonylureas - urine
Glicazide	Sulphonylureas - serum
Glicazide	Sulphonylureas - urine
Glimepiride	Sulphonylureas - serum
Glimepiride	Sulphonylureas - urine
Glipizide	Sulphonylureas - serum
Glipizide	Sulphonylureas - urine
Glivec	Imatinib - Plasma
Globular lithium	Erythrocyte lithium - whole blood
Glomerular basement membrane - anti-antibodies	Anti-glomerular basement membrane antibody - serum
Glucagon - plasma	
Glucocorticoid	Cortisol - Compound F - saliva
Glucocorticoid	Cortisol - Compound F - serum
Glucophage®	Metformin - Serum
Glucose-6 phosphate dehydrogenase	G6PD - Glucose-6- phosphate dehydrogenase
Glutamate decarboxylase - anti-antibodies	Anti-GAD antibodies - CSF
Glutamate decarboxylase - anti-antibodies	Anti-GAD antibodies - serum
Glutamic acid decarboxylase - anti-antibodies	Anti-GAD antibodies - CSF

Glutamic acid decarboxylase - anti-antibodies	Anti-GAD antibodies - serum
Glutathione peroxidase - plasma	
Glycolipids - anti-antibodies	Anti-glycolipid antibodies - CSF
Glycolipids - anti-antibodies	Anti-glycolipid antibodies - serum
Glycosaminoglycans	Mucopolysaccharides - urines
Glycosylated haemoglobin	Haemoglobin glycosylated - HbA1c - whole blood
Glycosylated proteins	Fructosamine - serum
GlyR abs CSF	CSF
GM1 - anti - antibodies	Anti-glycolipid antibodies - CSF
GM1 - anti-antibodies	Anti-glycolipid antibodies - serum
Goiffon	Faecal test -Functional coprology - stool
Golimumab - serum	
Gonococcus	Neisseria gonorrhoeae - Detection by molecular amplification
Goodpasture's syndrome	Anti-glomerular basement membrane antibody - serum
GOT2	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
GOT2	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
GP210	Anti-GP210 antibodies - serum
GPIIa antibodies	Anti-platelet antibodies bound or free - screening and identification
GPIbIX antibodies	Anti-platelet antibodies bound or free - screening and identification
GPIIbIIIa antibodies	Anti-platelet antibodies bound or free - screening and identification
GQ1b - anti-antibodies	Anti-glycolipid antibodies - CSF
GQ1b - anti-antibodies	Anti-glycolipid antibodies - serum
Granudoxy®	Doxycycline - Serum
Granulocytes - anti-antibodies	Anti-neutrophil antibodies
Growth hormone	GH - Growth hormone - serum
Growth Hormone	GH - Growth hormone - serum
Growth-Hormone-Releasing-Hormone - GH-RH	GHRH - Growth-Hormone-Releasing-Hormone - plasma
Guanidinoacetate and creatine - plasma	
Guanidinoacetate and creatine - urine	
H63D mutation	Haemochromatosis - HFE gene - p.His63Asp mutation - whole blood
HA test	Hyaluronic acid - pleural fluid
HA test	Hyaluronic acid - serum
HAD	ADH - Antidiuretic hormone
HAD	ADH - Antidiuretic hormone - urine
Haematological and molecular cytogenetics - FISH	
Haemochromatosis	Haemochromatosis - HFE gene - p.Cys282Tyr mutation - whole blood
Haemochromatosis	Haemochromatosis - HFE gene - p.His63Asp mutation - whole blood
Haemochromatosis	Haemochromatosis - HFE gene - p.Ser65Cys mutation
Haemochromatosis - HFE gene - p.Cys282Tyr mutation - whole blood	
Haemochromatosis - HFE gene - p.His63Asp mutation - whole blood	
Haemochromatosis - HFE gene - p.Ser65Cys mutation	
Haemoglobin - electrophoresis - whole blood	
Haemoglobin - screening - stool	
Haemoglobin anomaly	Haemoglobin - electrophoresis - whole blood
Haemoglobin electrophoresis	Haemoglobin - electrophoresis - whole blood
Haemoglobin glycosylated - HbA1c - whole blood	
Haemoglobin HbA1c fraction	Haemoglobin glycosylated - HbA1c - whole blood
Haemophilus ducreyi	Genital ulcérations panel - direct diagnosis - PCR
Haemophilus ducreyi - screening	
Haemophilus influenzae	Haemophilus influenzae B - IgG serology - serum
Haemophilus influenzae B - IgG serology - serum	
Hageman - factor	Factor XII - Hageman - plasma
Hageman factor	Factor XII - Hageman - plasma
Halcion®	Triazolam - serum
Haldol®	Haloperidol
Haloperidol	
Hantan	Hantavirus - IgG/IgM serology - serum
Hantavirus - IgG/IgM serology - serum	

Hash	Cannabis - urine
HAV - IgM antibodies	Hepatitis A - IgM antibody - serum
HAV - total antibodies	Hepatitis A - IgG immunity screening - serum
Havlane®	Loprazolam - Serum
HbA1c	Haemoglobin glycosylated - HbA1c - whole blood
HBc - IgM antibodies	Hepatitis B - anti-HBc antibodies - IgM - serum
HBc - total antibodies	Hepatitis B - total anti-HBc antibodies - serum
HBe - antigen	Hepatitis B - HBe antigen - serum
HBe - total antibodies	Hepatitis B - anti-HBe antibodies - serum
HBe - total antibodies - titration	Hepatitis B - anti-HBs antibodies - titration - serum
HBe antigen	Hepatitis B - HBe antigen - serum
HBOC	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
HBs - antigens	Hepatitis B - Qualitative HBs antigen - serum
HBs antigen	Hepatitis B - Qualitative HBs antigen - serum
HBs antigen quantification	Hepatitis B - HBs antigen - quantitative - serum
HBs antigen titration	Hepatitis B - HBs antigen - quantitative - serum
HBV - anti-viral resistance profile	Hepatitis B Genotyping and Antiviral Resistance Profile - serum
HBV - anti-HBc IgM antibodies	Hepatitis B - anti-HBc antibodies - IgM - serum
HBV - Anti-HBc IgM antibodies	Hepatitis B - anti-HBc antibodies - IgM - serum
HBV - HBe antigen	Hepatitis B - HBe antigen - serum
HBV - HBs antigen	Hepatitis B - Qualitative HBs antigen - serum
HBV - quantitative determination - viral load	Hepatitis B - viral load - PCR
HBV - total anti-HBc antibodies	Hepatitis B - total anti-HBc antibodies - serum
HBV - Total anti-HBc antibodies	Hepatitis B - total anti-HBc antibodies - serum
HBV - total anti-HBe antibodies	Hepatitis B - anti-HBe antibodies - serum
HBV - Total anti-HBe antibodies	Hepatitis B - anti-HBe antibodies - serum
HBV - total anti-HBs antibodies - titration	Hepatitis B - anti-HBs antibodies - titration - serum
HBV - Total anti-HBs antibodies - titration	Hepatitis B - anti-HBs antibodies - titration - serum
HBV genotyping	Hepatitis B Genotyping and Antiviral Resistance Profile - serum
HC protein	Alpha-1 Microglobulin - urine
HCB	Pesticides - screening and/or dosage
HCB	Pesticides - screening and/or dosage - urine
hCG - free beta chain - subunit - serum	
hCG - free beta-subunit	hCG - free beta chain - subunit - serum
hcG dimeric molecule (alpha + beta) - biological fluid	
hcG dimeric molecule (alpha + beta) - serum	
hCG dimers	hcG dimeric molecule (alpha + beta) - serum
hCT	Calcitonin - aspiration biopsy
hCT	Calcitonin - serum
HCV - genotyping	Hepatitis C - genotyping
HCV - quantitative determination - viral load	Hepatitis C - viral load - quantitative PCR
HCV - screening serology	Hepatitis C - screening serology - serum
HCV - viral RNA - PCR	Hepatitis C - viral RNA detection - PCR - serum
Hcy	Homocysteine - plasma
HDL cholesterol	HDL cholesterol - serum
HDL cholesterol - serum	
HDS	DNA fragmentation test - DNA decondensation - SCSA - Sperm
HDV - antigen	Hepatitis Delta - antigen - serum
HDV - IgM antibodies	Hepatitis Delta - IgM antibody - serum
HDV - total antibodies	Hepatitis Delta - total antibodies - serum
HDV RNA	Hepatitis Delta - viral load - PCR
HE4- ROMA calculation - serum	
Health Index	[-2]pro-PSA - Phi score calculation - serum
Helicobacter pylori - 13C urea breath test - expired gas	
Helicobacter pylori - antigen - Stools	
Helicobacter pylori - culture	
Helicobacter pylori - IgG serology - serum	
Helicobacter pylori and clarithromycin resistance gene - direct diagnosis - PCR	

Helminthes	Helminthes - Protozoaires - direct diagnosis - PCR - stool
Helminthes - Protozoaires - direct diagnosis - PCR - stool	
Hemigoxine®	Digoxin - serum
Hemipralon® LP	Propranolol - Serum
Hemophilus	Haemophilus influenzae B - IgG serology - serum
Heparin - PF4 - anti-antibodies	Anti-PF4 antibodies - heparin - plasma
Heparin induced thrombocytopenia - functional test	
Heparin-induced thrombopaenia - screening	Anti-PF4 antibodies - heparin - plasma
Heparinaemia	Anti-Xa activity : Standard heparin - NFH - plasma
Hepatitis E	Hepatitis E - direct diagnosis - PCR
Hepatitis E virus	Hepatitis E - direct diagnosis - PCR
Hepatitis A - IgG immunity screening - serum	
Hepatitis A - IgM antibody - serum	
Hepatitis B - anti-HBc antibodies - IgM - serum	
Hepatitis B - anti-HBe antibodies - serum	
Hepatitis B - anti-HBs antibodies - titration - serum	
Hepatitis B - HBe antigen - serum	
Hepatitis B - HBs antigen - quantitative - serum	
Hepatitis B - Qualitative HBs antigen - serum	
Hepatitis B - total anti-HBc antibodies - serum	
Hepatitis B - viral load - PCR	
Hepatitis B Genotyping and Antiviral Resistance Profile - serum	
Hepatitis C - Anti-viral resistance profile - serum	
Hepatitis C - confirmation - serum	
Hepatitis C - genotyping	
Hepatitis C - screening serology - serum	
Hepatitis C - viral load - quantitative PCR	
Hepatitis C - viral RNA detection - PCR - serum	
Hepatitis C confirmation	Hepatitis C - confirmation - serum
Hepatitis Delta - antigen - serum	
Hepatitis Delta - IgM antibody - serum	
Hepatitis Delta - total antibodies - serum	
Hepatitis Delta - viral load - PCR	
Hepatitis E - direct diagnosis - PCR	
Hepatitis E - IgG antibody - serum	
Hepatitis E - IgM antibody - serum	
Hepsera®	Adefovir - plasma
Heptachlor	Pesticides - screening and/or dosage
Heptachlor	Pesticides - screening and/or dosage - urine
HER2 - Human Epidermal growth factor Receptor 2 - c-erbB-2 protein - serum	
HER2 ECD - extracellular domain	HER2 - Human Epidermal growth factor Receptor 2 - c-erbB-2 protein - serum
hereditary spherocytosis - screening (eosin-5'-maleimide (EMA) staining) - whole blood	
Heroin	Opiates confirmation - blood test
Heroin - confirmation	Opiates - confirmation - urine
Heroin - screening	Opiates - screening - urine
herpes gestationis factor	Anti-epidermal basement membrane and intracellular substance antibodies Typing
Herpes simplex 1/2	Genital ulcérations panel - direct diagnosis - PCR
Herpes simplex virus 1/2	Vesicular eruptions panel - direct diagnosis - PCR
Herpes simplex virus 1/2 - HSV - direct diagnosis - PCR	
Herpes simplex virus 1/2 - HSV - direct diagnosis - PCR - amniotic fluid	
Herpes simplex virus 1/2 - HSV - IgM serology - serum	
Herpes Simplex Virus-HSV1 IgG & HSV2 IgG - IgG serology - serum	
Herpes type 1 2	viral meningoencephalitis panel - direct diagnosis - PCR - CSF
Herpes Viridae	Herpes simplex virus 1/2 - HSV - IgM serology - serum
Herpes Viridae	Herpes Simplex Virus-HSV1 IgG & HSV2 IgG - IgG serology - serum
Herpes virus type 6 - direct diagnosis - PCR	
Herpes virus type 6 - IgG serology - serum	
Herpes virus type 6 - IgM serology - serum	
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Herpes virus type 6 - Viral load - PCR	
Herpes Virus type 7 - direct diagnosis - PCR	
Herpes virus type 8 - direct diagnosis - PCR	
Herpes virus type 8 - IgG serology - serum	
Herpes virus type 8 - viral load	
Herpes ZOSTER	Varicella zoster virus - IgM Serology - serum
Herpes zoster - IgM serology	Varicella zoster virus - IgM Serology - serum
Herpes zoster - immunity test - IgG antibodies	Varicella zoster virus - IgG serology - serum
Herpes zoster - viral DNA - PCR	Varicella zoster virus - direct diagnosis - PCR
HEV	Hepatitis E - direct diagnosis - PCR
HEV	Hepatitis E - IgG antibody - serum
HEV - IgG antibodies	Hepatitis E - IgG antibody - serum
HEV - IgM antibodies	Hepatitis E - IgM antibody - serum
Hexone	Methyl isobutyl ketone - urine
HFSR hemorrhagic fever syndrome renal	Hantavirus - IgG/IgM serology - serum
Hg	Mercury - biological fluid
Hg	Mercury - hair specimen
Hg	Mercury - saliva
Hg	Mercury - urine
Hg	Mercury - whole blood
hGH	GH - Growth hormone - serum
HHV	Herpes virus type 6 - IgM serology - serum
HHV-3 (human herpesvirus 3)	Varicella zoster virus - direct diagnosis - PCR - amniotic fluid
HHV-5	Cytomegalovirus - CMV - - direct diagnosis - PCR
HHV-5	Cytomegalovirus - CMV - - direct diagnosis - PCR - amniotic fluid
HHV-6 - molecular diagnosis	Herpes virus type 6 - direct diagnosis - PCR
HHV-6 - PCR	Herpes virus type 6 - direct diagnosis - PCR
HHV-6 - serology	Herpes virus type 6 - IgG serology - serum
HHV-8 - molecular diagnosis	Herpes virus type 8 - direct diagnosis - PCR
HHV-8 - molecular diagnosis	Herpes virus type 8 - viral load
HHV-8 - PCR	Herpes virus type 8 - direct diagnosis - PCR
HHV-8 - serology	Herpes virus type 8 - IgG serology - serum
HHV6	Herpes virus type 6 - IgM serology - serum
HHV6	Herpes virus type 6 - Viral load - PCR
HHV6	viral meningoencephalitis panel - direct diagnosis - PCR - CSF
HHV7 - Herpes virus	Herpes Virus type 7 - direct diagnosis - PCR
HHV8 - PCR	Herpes virus type 8 - viral load
HIAA 5	5-HIAA - 5-hydroxyindoleacetic acid - Urine
High DNA Stainability	DNA fragmentation test - DNA decondensation - SCSA - Sperm
Hippurate	Hippuric acid - urine
Hippuric acid - urine	
Histamine intolerance	Juvenalis - DAO - activity - serum
Histones - anti-antibodies	Anti-histone antibodies - serum
HIT	Anti-PF4 antibodies - heparin - plasma
HIT	Heparin induced thrombocytopenia - functional test
HIT - screening	Anti-PF4 antibodies - heparin - plasma
HIT functional test	Heparin induced thrombocytopenia - functional test
HIT screening	Heparin induced thrombocytopenia - functional test
HIV	HIV2 - Human Immunodeficiency Virus - viral load - Plasma
HIV1 - Human Immunodeficiency Virus - viral load - Plasma	
HIV ¿ immunoblot	HIV1/2 - Human Immunodeficiency Virus - confirmatory serology by immuno-transfer
HIV1/2 - Human Immunodeficiency Virus - confirmatory serology by immuno-transfer	
HIV1/2 - Human Immunodeficiency Virus - screening serology - serum	
HIV - Genotypic resistance testing of retrovirals	HIV - Human Immunodeficiency Virus - genotyping (reverse transcriptase and protease
HIV - Human Immunodeficiency Virus - Genotyping (fusion inhibitor): anti viral resistance	
HIV - Human Immunodeficiency Virus - genotyping (reverse transcriptase and protease	
HIV - Human Immunodeficiency Virus - p24 antigen - serum	
HIV - Human Immunodeficiency Virus - viral load - CSF	

HIV - p24 Ag	HIV - Human Immunodeficiency Virus - p24 antigen - serum
HIV - viral load	HIV1 - Human Immunodeficiency Virus - viral load - Plasma
HIV-1 antigen	HIV - Human Immunodeficiency Virus - p24 antigen - serum
HIV-1/2 - confirmation serology	HIV1/2 - Human Immunodeficiency Virus - confirmatory serology by immuno-transfer
HIV-1/2 - screening control serology	HIV1/2 - Human Immunodeficiency Virus - screening serology - serum
HIV-1/2 - Western blot	HIV1/2 - Human Immunodeficiency Virus - confirmatory serology by immuno-transfer
HIV2 - Human Immunodeficiency Virus - viral load - Plasma	
HIV-2	HIV2 - Human Immunodeficiency Virus - viral load - Plasma
HIV-RNA viral load	HIV1 - Human Immunodeficiency Virus - viral load - Plasma
H+K+ ATPase - anti antibodies	Anti-proton pump antibodies - serum
HLA-A and HLA-B - genotyping	Class I HLA - HLA-A and HLA-B genotyping - whole blood
HLA-B27 - genotyping - whole blood	
HLA-B27 antigen	HLA-B27 - genotyping - whole blood
HLA-B27 genotyping	HLA-B27 - genotyping - whole blood
HLA-B27 leukocyte and platelet antigens	HLA-B27 - genotyping - whole blood
HLA-B27 typing	HLA-B27 - genotyping - whole blood
hMPV	Paediatric respiratory viruses (RSV / Metapneumovirus / Rhinovirus) - direct diagnosis -
HNF1B	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
HNF1B	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
HOMA	Insulin - serum
HOMA - index - serum	
HOMA index	Insulin - serum
Homocysteinaemia	Homocysteine - plasma
Homocysteine - plasma	
Homogentisic acid	
Homovanilate	Homovanillic acid - Urine
Homovanillic acid - Urine	
HOXB13	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
HOXB13	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
HOXB13	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
Hp - 13C-urea breath tests	Helicobacter pylori - 13C urea breath test - expired gas
Hp - antigens	Helicobacter pylori - antigen - Stools
Hp - culture	Helicobacter pylori - culture
Hp - IgG serology	Helicobacter pylori - IgG serology - serum
HPV	Papillomavirus - HPV Détection and Typing of 19 high-risk HPV and 18 low-risk HPV -
HPV oncogenes	
HPV test for vaginal sampling or self-sampling	
H.pylori	Helicobacter pylori and clarithromycin resistance gene - direct diagnosis - PCR
HSV1	Genital ulcérations panel - direct diagnosis - PCR
HSV1	Vesicular eruptions panel - direct diagnosis - PCR
HSV 1 and 2 - molecular diagnosis	Herpes simplex virus 1/2 - HSV - direct diagnosis - PCR
HSV 1 and 2 - PCR	Herpes simplex virus 1/2 - HSV - direct diagnosis - PCR - amniotic fluid
HSV1 and 2 - moléculaire diagnostic	Herpes simplex virus 1/2 - HSV - direct diagnosis - PCR - amniotic fluid
HSV1 and HSV2	viral meningoencephalitis panel - direct diagnosis - PCR - CSF
HSV - ADN	Herpes simplex virus 1/2 - HSV - direct diagnosis - PCR - amniotic fluid
HSV - DNA	Herpes simplex virus 1/2 - HSV - direct diagnosis - PCR
HSV 4	Epstein-Barr Virus - EBV - VCA IgG/IgM and EBNA IgG serology - serum
HSV2	Genital ulcérations panel - direct diagnosis - PCR
HSV2	Vesicular eruptions panel - direct diagnosis - PCR
HSV-1 and -2 - IgG serology	Herpes Simplex Virus-HSV1 IgG & HSV2 IgG - IgG serology - serum
HSV-1 and -2 - IgM serology	Herpes simplex virus 1/2 - HSV - IgM serology - serum
HSV-1 and -2 - PCR	Herpes simplex virus 1/2 - HSV - direct diagnosis - PCR
HSV5	Cytomegalovirus - CMV - - IgG/IgM serology - serum
HSV6	Herpes virus type 6 - IgG serology - serum
HT	Serotonin - whole blood
HT21	Trisomy 21 - 1st trimester combined screening - serum
HT21	Trisomy 21 - maternal serum markers - 2 parameters - serum
HT21	Trisomy 21 - maternal serum markers - 3 parameters - serum

hTg	Thyroglobulin - serum
HTLV 1 and 2 Anti antibodies	HTLV I/II - screening serology - serum
HTLV I/II - confirmation serology - serum	
HTLV I/II - screening serology - serum	
HTLV I/II Qualitative PCR - whole blood	
HTLV-1 and -2 - anti-antibodies	HTLV I/II - confirmation serology - serum
Hu - anti-antibodies	Anti-neuron antibodies - serum
Human babesiosis - serology - serum	
Human chorionic gonadotropin - whole molecule	hcG dimeric molecule (alpha + beta) - serum
Human ehrlichiosis - serology - serum	
Human Enterovirus/rhinovirus	Respiratory Infection Panel - direct diagnosis - PCR
Human Growth Hormone	GH - Growth hormone - serum
Human Herpes Virus-5	Cytomegalovirus - CMV - - direct diagnosis - PCR
Human Herpes Virus-5	Cytomegalovirus - CMV - - direct diagnosis - PCR - amniotic fluid
Human Immunodeficiency Virus - anti -viral resistance screen	HIV - Human Immunodeficiency Virus - Genotyping (fusion inhibitor): anti viral
Human Immunodeficiency Virus - antiviral resistance profile	HIV - Human Immunodeficiency Virus - genotyping (reverse transcriptase and protease
Human Metapneumovirus	Respiratory Infection Panel - direct diagnosis - PCR
Human Parainfluenza Virus 1, 2, 3 - serology	Parainfluenzae 1, 2, 3 - IgG serology - serum
Human tissue transglutaminase - IgA - anti-antibodies	Human tissue transglutaminase antibody - IgA - serum
Human tissue transglutaminase - IgG - anti-antibodies	Human tissue transglutaminase antibody - IgG - serum
Human tissue transglutaminase antibody - IgA - serum	
Human tissue transglutaminase antibody - IgG - serum	
Humira	Adalimumab
HVA	Homovanillic acid - Urine
Hyaluronate	Hyaluronic acid - pleural fluid
Hyaluronate	Hyaluronic acid - serum
Hyaluronic acid - pleural fluid	
Hyaluronic acid - serum	
Hydatid cyst - echinococcus multilocularis	Echinococcosis - confirmation serology - serum
Hydatid cyst - echinococcus multilocularis	Echinococcosis - screening serology - serum
Hydatidosis	Echinococcosis - confirmation serology - serum
Hydatidosis	Echinococcosis - screening serology - serum
Hydrochlorothiazide	Diuretics - screening and dosage - urine
Hydrocortisone	Cortisol - Compound F - saliva
Hydrocortisone	Cortisol - Compound F - serum
Hydroflumethiazide	Diuretics - screening and dosage - urine
Hydroquinidine - Serum	
Hydroxychloroquine - whole blood	
Hydroxyindoleacetic - 5	5-HIAA - 5-hydroxyindoleacetic acid - Urine
Hydroxyrisperidone	Risperidone
Hydroxytryptamine - whole blood	Serotonin - whole blood
Hydroxyzine - Serum	
Hypertrophic heart disease	Cardiogenetic exome
Hypnovel®	Midazolam - Serum
I Factor	Factor I - complement fraction - serum
IA-2 - anti-antibodies	Anti-tyrosine phosphatase antibodies - IA-2 - serum
IAA	Anti-insulin antibodies - serum
IAT - screening/identification	Indirect antiglobulin test - IAT - screening/identification
ICA	Anti-islet cell antibodies - ICA - serum
Iclusig	Ponatinib - Plasma
Identification of HIV-1 viral tropism (CCR5 V3 loop and gp 120)	HIV - Human Immunodeficiency Virus - Genotyping (fusion inhibitor): anti viral
IFCC	Carbohydrate-deficient transferrin - serum
IFN a- neutralizing antibody	Interferon alpha - neutralizing antibody - serum
IFN b- neutralizing antibody	Neutralizing anti Interferon BETA antibodies - Serum
IFN-a	Interferon alpha - biological fluid
IFN-a	Interferon alpha - CSF
IFN-a	Interferon alpha - serum
IFS	Immunobinding - serum

IFS	Protein electrophoresis and Immunobinding - serum
IgA - anti-antibodies	Anti-IgA antibodies - serum
IgA - Immunoglobulin A - IgA1 and IgA2 subclasses - serum	
IgA - Immunoglobulin A - serum	
IgA - Immunoglobulin A secretory - stool	
IgA subclasses - IgA1/2	IgA - Immunoglobulin A - IgA1 and IgA2 subclasses - serum
IgA/G/M - Immunoglobulins A/G/M - serum	
IgAS	IgA - Immunoglobulin A secretory - stool
IgD - immunoglobulins D - serum	
IgE against multiple individual allergens - food allergens - serum	
IgE against multiple individual allergens - Food and Inhalant panels - serum	
IgE against multiple individual allergens - inhalant allergens - serum	
IgE (RAST) - medications - single allergen	Specific IgE medicines - single allergen - Hycor
IgE (RAST) - medications - single allergen	Specific IgE medicines - single allergen-Phadia
IGF-1 - Somatomedin C - serum	
IGF-2 - serum	
IGF-BP3	IGFBP-3 - Insulin-like Growth Factor Binding protein-3 - serum
IGFBP-3 - Insulin-like Growth Factor Binding protein-3 - serum	
IgG1 subclasses	IgG - immunoglobulins G - IgG1 subclasses - serum
IgG - immunoglobulins G - CSF	
IgG - immunoglobulins G - IgG1 subclasses - serum	
IgG - immunoglobulins G - IgG2 subclasses - serum	
IgG - immunoglobulins G - IgG3 subclasses - serum	
IgG - immunoglobulins G - IgG4 subclasses - serum	
IgG - immunoglobulins G - serum	
IgG Allergens	SPECIFIC IgG - serum
IgG antibody avidity - CMV	Cytomegalovirus - CMV - IgG avidity test - serum
IgG avidity index - Rubella	Rubella - antibody avidity - IgG - serum
IgG Food Intolerance Panel 287 foods - serum	
IgG2 subclasses	IgG - immunoglobulins G - IgG2 subclasses - serum
IgG-RAST	SPECIFIC IgG - serum
IgG3 subclasses	IgG - immunoglobulins G - IgG3 subclasses - serum
IgG4	IgG - immunoglobulins G - IgG4 subclasses - serum
IgG4 Allergens	SPECIFIC IgG4 - serum
IgG4 subclasses	IgG - immunoglobulins G - IgG4 subclasses - serum
IgG4-RAST	SPECIFIC IgG4 - serum
Iglons5 abs CSF	CSF
IgM - immunoglobulins M - serum	
IgM antibodies - HAV	Hepatitis A - IgM antibody - serum
IGRA	Interferon gamma production - Quantiferon® TB Gold Plus
IL-1 beta	Interleukin (IL)-1 beta - serum
IL-1Beta	Interleukin (IL)-1 beta - serum
IL-2	Interleukin (IL)-2 - serum
IL-4	Interleukin (IL)-4 - serum
IL-5	Interleukin (IL)-5
IL-6	Interleukin (IL)-6 - serum
IL-8	Interleukin (IL)-8 - serum
IL28B genotyping	Interleukin 28B (IL28B polymorphisme C/T rs 12979860) - genotyping - whole blood
Imatinib - Plasma	
Imipramine - Serum	
Immunobinding - serum	
Immunoblot - HCV	Hepatitis C - confirmation - serum
Immunoelectrophoresis	Immunobinding - serum
Immunoelectrophoresis	Protein electrophoresis and Immunobinding - serum
Immunoglobulin A - anti-antibodies	Anti-IgA antibodies - serum
Immunoglobulins A	IgA - Immunoglobulin A - serum
Immunoglobulins A- IgA1/2 subclasses	IgA - Immunoglobulin A - IgA1 and IgA2 subclasses - serum
Immunoglobulins D	IgD - immunoglobulins D - serum

Immunoglobulins G	IgG - immunoglobulins G - CSF
Immunoglobulins G	IgG - immunoglobulins G - serum
Immunoglobulins G/A/M quantitation	IgA/G/M - Immunoglobulins A/G/M - serum
Immunoglobulins M	IgM - immunoglobulins M - serum
Immunological fibrinogen	Factor I - Fibrinogen - antigen - plasma
Immunophenotyping: Lymphocytes B - CD19 - whole blood	
Immunophenotyping: Lymphocytes CD3-CD4-CD8 - whole blood	
Immunophenotyping: Lymphocytes CD56+ / CD16+ - Natural Killer Cells - whole blood	
Immunophenotyping: Lymphocytes NK/CD57 - whole blood	
Immunophenotyping of malignant hemopaties	
IMN	Epstein-Barr Virus - EBV - IgA EA serology - serum
IMN	Epstein-Barr Virus - EBV - IgG EA serology - serum
IMN	Epstein-Barr Virus - EBV - VCA IgA serology - serum
IMN	Epstein-Barr Virus - EBV - VCA IgG, EBNA, IgG serology - serum
IMN	Epstein-Barr Virus - EBV - VCA IgG/IgM and EBNA IgG serology - serum
IMN	Epstein-Barr Virus - EBV - VCA IgM serology - serum
Imupro	IgG Food Intolerance Panel 287 foods - serum
Indapamide	Diuretics - screening and dosage - urine
Indian hemp	Cannabis - urine
Indinavir - Serum	
Indirect antiglobulin test - IAT - screening/identification	
Indirect Coombs	Indirect antiglobulin test - IAT - screening/identification
INF-alpha	Interferon alpha - biological fluid
INF-alpha	Interferon alpha - CSF
INF-alpha	Interferon alpha - serum
INF-alpha - neutralizing antibody	Interferon alpha - neutralizing antibody - serum
INF-beta - neutralizing antibody	Neutralizing anti Interferon BETA antibodies - Serum
INF-gamma	Interferon gamma - CSF
INF-gamma	Interferon gamma - serum
Infectious mononucleosis	Epstein-Barr Virus - EBV - IgA EA serology - serum
Infectious mononucleosis	Epstein-Barr Virus - EBV - IgG EA serology - serum
Infectious mononucleosis	Epstein-Barr Virus - EBV - VCA IgA serology - serum
Infectious mononucleosis	Epstein-Barr Virus - EBV - VCA IgG, EBNA, IgG serology - serum
Infectious mononucleosis	Epstein-Barr Virus - EBV - VCA IgG/IgM and EBNA IgG serology - serum
Infectious mononucleosis	Epstein-Barr Virus - EBV - VCA IgM serology - serum
Infertility exome	Exome sequencing - Male infertility - Screening for mutations involved in male infertility
Infertility gene panel	Exome sequencing - Male infertility - Screening for mutations involved in male infertility
Inflixtra	Infliximab
Infliximab	Infliximab
Infliximab	
Influenza	Influenza A and B - IgG serology - serum
Influenza A	Respiratory Infection Panel - direct diagnosis - PCR
Influenza A - H1	Respiratory Infection Panel - direct diagnosis - PCR
Influenza A - H1-09	Respiratory Infection Panel - direct diagnosis - PCR
Influenza A - H3	Respiratory Infection Panel - direct diagnosis - PCR
Influenza A and B - IgG serology - serum	
Influenza A and B - serology	Influenza A and B - IgG serology - serum
Influenza B	Respiratory Infection Panel - direct diagnosis - PCR
INH	INH - Isoniazid - Serum
INH - Isoniazid - Serum	
INH B	Inhibin B
Inhibin A - serum	
Inhibin A - ultrasensitive - serum	
Inhibin B	
Inhibin B - Child - serum	
Inhibition in ammonium IV gel	Specific IgE : ammonium IV - curare - serum
Inhibitor of type 1 of the Plasminogen activator	PAI1 - Plasminogen activator inhibitor-1 - plasma
INOVELON®	Rufinamide - Serum

INR	Prothrombine Ratio - plasma
Insulin - anti-antibodies	Anti-insulin antibodies - serum
Insulin - serum	
Insulin Growth Factor	IGF-1 - Somatomedin C - serum
Insulin like Growth Factor	IGF-1 - Somatomedin C - serum
Insulin resistance	HOMA - index - serum
Insulin-like Growth Factor Binding protein-3	IGFBP-3 - Insulin-like Growth Factor Binding protein-3 - serum
Insulinaemia	Insulin - serum
Intact N-Terminal propeptide of type I procollagen	P1NP - Intact N-Terminal Propeptide of Type I Procollagen - serum
Intact procollagen type I (N-propeptide)	P1NP - Intact N-Terminal Propeptide of Type I Procollagen - serum
INTELLECTUAL DISABILITY	Exome Isolated or syndromic intellectual disability and syndromic neurodevelopmental
Intercellular substance + basement membrane - anti-antibodies	Anti-epidermal basement membrane and intracellular substance antibodies - serum
Interferon alpha - biological fluid	
Interferon alpha - CSF	
Interferon alpha - neutralizing antibody - serum	
Interferon alpha - serum	
Interferon gamma - CSF	
Interferon gamma - serum	
Interferon gamma production - Quantiferon® TB Gold Plus	
Interferon gamma production blood test	Interferon gamma production - Quantiferon® TB Gold Plus
Interferon Gamma Release Assays	Interferon gamma production - Quantiferon® TB Gold Plus
Interleukin 28B (IL28B polymorphisme C/T rs 12979860) - genotyping - whole blood	
Interleukin (IL)-10 - .	
Interleukin (IL)-10 - serum	
Interleukin (IL)-1 alpha - serum	
Interleukin (IL)-1 beta - serum	
Interleukin (IL)-2 - receptor	
Interleukin (IL)-2 - serum	
Interleukin (IL)-4 - serum	
Interleukin (IL)-5	
Interleukin (IL)-6 - .	
Interleukin (IL)-6 - serum	
Interleukin (IL)-8 - serum	
Interleukin-2 receptor	Interleukin (IL)-2 - receptor
Interleukine	Panel Cytokine - IL1 beta, IL2, IL4 and IL6 - serum
Intrathecal IgG synthesis	Isoelectric focussing - CSF + serum
Intrinsic factor - anti-antibodies	Anti-intrinsic factor antibodies - serum
Iodine - serum	
Iodine - urine	
Iodine concentration	Iodine - serum
Iodine overload	Iodine - urine
Ionised calcium	
Iron - saturation percentage - serum	
Iron - serum	
Iron - total binding capacity - serum	
Iron - urines	
Iron concentration	Iron - serum
Iron overload	Iron - urines
Isentress®	Raltegravir - Serum
Isocoproporphyrins	Porphyrins - stool
Isocoproporphyrines	Porphyrins - Urines
Isoelectric focussing - CSF + serum	
Isoelectric focussing with IgG index	Isoelectric focussing - CSF + serum
Isoenzymes - alkaline phosphatase	Alkaline phosphatases - isoenzymes - serum
Isoniazid	INH - Isoniazid - Serum
Isoniazid resistance	Mycobacteria - PCR detection of mutations associated with resistance to isoniazid,
Isoporphyrins	Porphyrins - Urines
Isopropyl alcohol - Serum	

Isoprotoporphyris	Porphyris - stool
Isoptin®	Verapamil - Serum
Isospora	Parasitology - microscopy - Stools
Isosporose	Parasitology - microscopy - Stools
Itraconazole and hydroxylated metabolite - Serum	
Ixel®	Milnacipran - Serum
Izilox	Moxifloxacin - Serum
Jaeken syndrom	Adenylosuccinase - deficiency syndrome screening - urine
JAK2 - gene - VAL617PHE (V617F) mutation - whole blood	
Jansky-Bielschowsky disease	Lipofuscinosis Neuronal Ceroide enzymatic deficiency - whole blood
Janus kinase 2 - mutation V617F - c.1849G>T	JAK2 - gene - VAL617PHE (V617F) mutation - whole blood
JC virus - gene amplification	Polyomavirus JC - direct diagnosis - PCR
JCV-PCR	Polyomavirus JC - direct diagnosis - PCR
Juvenalis - AgeCheck - man	
Juvenalis - AgeCheck - woman	
Juvenalis - BasicCheck	
Juvenalis - DAO - activity - serum	
Juvenalis - DermaCheck	
Juvenalis - DigestCheck	
Juvenalis - NutriCheck	
Juvenalis - OxyCheck	
Juvenalis - Panel - FertiCheck - man	
Juvenalis - Panel - FertiCheck - woman	
Juvenalis - Panel - VeggieCheck	
Kala-azar	Leishmaniasis - direct diagnosis - PCR
Kaletra®	Lopinavir - Serum
Kappa - Bence Jones	Kappa free light chains - serum
Kappa - Bence Jones	Kappa free light chains - urine
Kappa Bence Jones	Kappa free light chains - serum
Kappa Bence Jones	Kappa free light chains - urine
Kappa free light chains - serum	
Kappa free light chains - urine	
KCNH2	Cardiogenetic exome
KCNQ1	Cardiogenetic exome
Keppra®	Levetiracetam - serum
Ketoconazole - Serum	
Ketone bodies - Deproteinized heparin whole blood sample or CSF	
kidney	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
Kivexa®	Abacavir - plasma
Kleihauer - test	Fetal-maternal haemorrhage - whole blood
KSHV - IgG serology	Herpes virus type 8 - IgG serology - serum
KSHV - PCR	Herpes virus type 8 - direct diagnosis - PCR
KSHV - PCR	Herpes virus type 8 - viral load
Ku - anti-antibodies	Myosite Markers - serum
Kufs disease	Lipofuscinosis Neuronal Ceroide enzymatic deficiency - whole blood
LA	Circulating Lupus anticoagulant - screening - plasma
Lactate	Ketone bodies - Deproteinized heparin whole blood sample or CSF
Lactate	Lactic acid
Lactate	Lactic acid - CSF
Lactic acid	Ketone bodies - Deproteinized heparin whole blood sample or CSF
Lactic acid	
Lactic acid - CSF	
Lactic dehydrogenase	LDH - Lactate dehydrogenase
Lactic dehydrogenase	LDH - Lactate dehydrogenase - serum
Lactic dehydrogenase - Isoenzymes	LDH - Lactate dehydrogenase - isoenzymes
lactose primary intolerance - Genetic characterization - whole blood	
Lambda - Bence Jones	Lambda free light chains - serum
Lambda - Bence Jones	Lambda free light chains - urine

Lambda Bence Jones	Lambda free light chains - serum
Lambda Bence Jones	Lambda free light chains - urine
Lambda free light chains - serum	
Lambda free light chains - urine	
Lamictal®	Lamotrigine - serum
Lamivudine - plasma	
Lamotrigine - serum	
Largactil®	Chlorpromazine - Serum
Laroxyl®	Amitriptyline - Serum
Lasilix®	Furosemide - serum
Lasilix®	Furosemide - urine
Latex IgE (RAST) - single allergen	Specific IgE : latex - single allergen
LATS	Anti-TSH receptor antibodies - serum
LBI	Bartonellosis - B. henselae - B. quintana - IgG serology - serum
LC1 - anti-liver cytosol type 1 antibodies	Anti-liver cytosol type 1 antibodies - LC1 - confirmation - serum
LC1 anti cytosol Abs	Anti-liver cytosol type 1 antibodies - LC1 - screening - serum
LCAT	Cholesterol lecithine acyltransferase - serum
LDH	LDH - Lactate dehydrogenase
LDH	LDH - Lactate dehydrogenase - serum
LDH - Isoenzymes	LDH - Lactate dehydrogenase - isoenzymes
LDH - Lactate dehydrogenase	
LDH - Lactate dehydrogenase - isoenzymes	
LDH - Lactate dehydrogenase - serum	
LDH isoenzymes	LDH - Lactate dehydrogenase - isoenzymes
LDL cholesterol	Direct LDL cholesterol - serum
Lead - urine	
Lead - whole blood	
Lead concentration	Lead - whole blood
Lead overload	Lead - urine
legionella	Legionellosis - serogroups 1 to 6 - IgG serology screening - serum
Legionella pneumophila	Respiratory Infection Panel - direct diagnosis - PCR
Legionella pneumophila - confirmation serology	Legionellosis - serogroups 1 to 6 - IgG confirmation serology - serum
Legionella pneumophila - PCR	Legionellosis - direct diagnosis - PCR
Legionella pneumophila - screening serology	Legionellosis - serogroups 1 to 6 - IgG serology screening - serum
Legionella pneumophila antigen	Legionellosis antigenes LP1 - urines
Legionellosis - direct diagnosis - PCR	
Legionellosis - serogroups 1 to 6 - IgG confirmation serology - serum	
Legionellosis - serogroups 1 to 6 - IgG serology screening - serum	
Legionellosis antigenes LP1 - urines	
Leishmaniasis	Leishmaniasis - direct diagnosis - PCR
Leishmaniasis - direct diagnosis - PCR	
Leishmania	Leishmaniasis - direct diagnosis - PCR
Leponex®	Clozapine
Lepticur - serum	
Leptin - serum	
Leptospirosis confirmation	Leptospirosis - 9 antigens serology - Martin-Pettit - serum
Leptospirosis	Leptospirosis - 9 antigens serology - Martin-Pettit - serum
Leptospirosis	Leptospirosis - IgM serology - serum
Leptospirosis - 9 antigens serology - Martin-Pettit - serum	
Leptospirosis - IgM serology - serum	
Leukemia chronic myelomonocytic	Immunophenotyping of malignant hemopaties
Leukocidin	PVL toxin detection (Staphylococcus aureus) - PCR on strain
Leukocyte Count Detailed	
Levetiracetam - serum	
Levofloxacin - Serum	
Levomepromazine - Serum	
Lexomil®	Bromazepam - Serum
Leydig cells - anti-antibodies	Anti-testicular antibodies - serum

LH - Luteinising hormone - serum	
LH - Luteinising hormone - urines	
Li	Lithium - serum
Li - erythrocytes	Erythrocyte lithium - whole blood
Librax®	Chlordiazepoxide - Serum
Lidocaine - Serum	
Likozam	Clobazam - Serum
Lindane	Pesticides - screening and/or dosage
Lindane	Pesticides - screening and/or dosage - urine
Lioresal	Baclofene - Serum
Lipase - serum	
Lipase - urine	
Lipase activity	Lipase - serum
Lipase activity	Lipase - urine
Lipase concentration	Lipase - serum
Lipid dosage	Steatorrhoea - fat dosage - stool
Lipofuscinosis Neuronal Ceroide enzymatic deficiency - whole blood	
Lipoprotein a	Lipoprotein Lp(a) - serum
Lipoprotein A1	Apolipoprotein A1 - serum
Lipoprotein B	Apolipoprotein B - serum
Lipoprotein C3	Apolipoprotein C3 - serum
Lipoprotein Lp(a) - serum	
Litatop	Specific IgE : food allergen testing - Trophatop® children - fx26/fx27/fx28
Litatop	Specific IgE : inhalant allergen testing - Phadiatop®
Litatop	Specific IgE - Respiratory and food allergen screen -Phadiatop® infant
Litatop®,	Specific IgE : food allergen testing - Trophatop® adult - fx5/fx24/fx25
Lithiasis	Biliary,salivary and articular stone - morphologic and infrared analysis
Lithiasis	Urinary stone - morphologic and infrared analysis
Lithium - serum	
Lithium concentration	Lithium - serum
Lithocholic acid	Bile acids - chromatography - serum
Lithocholic acid	Bile acids - serum
LKM - anti-antibodies screening	Anti-LKM antibodies - endoplasmic reticulum - screening - serum
LKM - anti-antibodies typing	Anti-LKM antibodies - endoplasmic reticulum - typing - serum
LMMC	Immunophenotyping of malignant hemopaties
Loa loa filariasis	Filariasis - serology - serum
Loci A and B - Class I HLA	Class I HLA - HLA-A and HLA-B genotyping - whole blood
Locus D - Class II HLA	Class II HLA - HLA-DQ and HLA-DR genotyping - whole blood
Logryx®	Minocycline - Serum
Long QT Syndrome	Cardiogenetic exome
Lopinavir - Serum	
Loprazolam - Serum	
Lopressor®	Metoprolol - Serum
Lormetazepam - Serum	
Low D-xylose absorption	Xylose - serum
Loxapac®	Loxapine - Serum
Loxapine - Serum	
Lp(a)	Lipoprotein Lp(a) - serum
LPA	Lipoprotein Lp(a) - serum
LRBI	Bartonellosis - B. henselae - B. quintana - IgG serology - serum
LRBI	Bartonellosis - direct diagnosis - PCR
LSD - Lysergic acid diethylamide	
LSD - Lysergic acid diethylamide - biological fluid	
LSD - Lysergic acid diethylamide - Urine	
LSTA	Anti-TSH receptor antibodies - serum
LTH	Prolactin - serum
Ludiomil®	Maprotiline - Serum
lung	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,

Lung	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
Lupus anticoagulant	Circulating Lupus anticoagulant - screening - plasma
Luteal hormone	Progesterone - serum
Lutein	Carotenoids
Luteinising hormone	LH - Luteinising hormone - serum
Luteinising hormone	LH - Luteinising hormone - urines
Luteinizing Hormone	LH - Luteinising hormone - serum
Luteinizing Hormone	LH - Luteinising hormone - urines
Lutropin	LH - Luteinising hormone - serum
Lutropin	LH - Luteinising hormone - urines
Lycopene	Carotenoids
Lyme	Borreliosis - direct diagnosis - PCR
Lyme	Borreliosis - IgG confirmation serology
Lyme	Borreliosis - IgM confirmation serology - serum
Lyme	Lyme disease - IgG/IgM screening serology - serum
Lyme	Lyme disease - IgG intrathecal index - CSF + serum
Lyme	Lyme disease - screening serology - CSF
Lyme disease	Borreliosis - direct diagnosis - PCR
Lyme disease	Borreliosis - IgG confirmation serology
Lyme disease	Borreliosis - IgM confirmation serology - serum
Lyme disease	Lyme disease - IgG/IgM screening serology - serum
Lyme disease	Lyme disease - IgG intrathecal index - CSF + serum
Lyme disease	Lyme disease - screening serology - CSF
Lyme disease - IgG intrathecal index - CSF + serum	
Lyme disease - IgG/IgM screening serology - serum	
Lyme disease - screening serology - CSF	
Lymphocyte immunophenotyping	Immunophenotyping: Lymphocytes B - CD19 - whole blood
Lymphocyte immunophenotyping	Immunophenotyping: Lymphocytes CD3-CD4-CD8 - whole blood
Lymphocyte immunophenotyping	Immunophenotyping: Lymphocytes CD56+ / CD16+ - Natural Killer Cells - whole blood
Lymphocyte immunophenotyping	Immunophenotyping: Lymphocytes NK/CD57 - whole blood
Lymphocyte Immunophenotyping	Immunophenotyping of malignant hemopaties
Lymphocyte phenotyping	Immunophenotyping of malignant hemopaties
Lymphocyte typing	Immunophenotyping: Lymphocytes B - CD19 - whole blood
Lymphocyte typing	Immunophenotyping: Lymphocytes CD3-CD4-CD8 - whole blood
Lymphocyte typing	Immunophenotyping: Lymphocytes CD56+ / CD16+ - Natural Killer Cells - whole blood
Lymphogranuloma venereum	Chlamydia trachomatis - IgA serology - serum
Lymphogranuloma venereum	Chlamydia trachomatis - IgG serology - serum
Lymphogranuloma venereum	Chlamydia trachomatis - IgM serology - serum
Lymphoreticulosis-Benign Inoculation	Bartonellosis - B. henselae - B. quintana - IgG serology - serum
Lymphoreticulosis-Benign Inoculation	Bartonellosis - direct diagnosis - PCR
Lyrca	Pregabalin
Lysanxia®	Prazepam - Serum
Lysergic acid diethylamide	LSD - Lysergic acid diethylamide - Urine
Lysergic Acid Diethylamide	LSD - Lysergic acid diethylamide - Urine
Lysergic Acid Diethylamide - serum	LSD - Lysergic acid diethylamide
Lysergic Acid Diethylamide - urine	LSD - Lysergic acid diethylamide - biological fluid
Lyso- globotriaosylcéramide	Lyso-Gb3
Lyso-Gb3	
Lysodren	Mitotane - plasma
Lysozyme - serum	
LZTR1	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
LZTR1	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
Mabthera ®	Rituximab - serum
Macro-CK	CPK - Creatine phosphokinase - isoenzymes - serum
MacroCK	CPK - Creatine phosphokinase - isoenzymes - serum
Macroglobulin - Alpha 2	Alpha-2 Macroglobulin - serum
Macrolides	Helicobacter pylori and clarithromycin resistance gene - direct diagnosis - PCR
Macroprolactin	Prolactin - molecular forms - serum

MAG - anti-antibodies	Anti-MAG antibodies - serum
Magnesium - serum	
Magnesium - urines	
Magnesium concentration	Magnesium - serum
Magnesium overload	Magnesium - urines
MAIPA	Anti-platelet antibodies bound or free - screening and identification
Malaria - serology	Malaria - serology - serum
Malaria - serology - serum	
MALFORMATIONS	Exome Congenital heart defects
Malon dialdehyde	Malondialdehyde - plasma
Malondialdehyde - plasma	
MALORMATIVE SYNDROME	Exome Isolated or syndromic intellectual disability and syndromic neurodevelopmental
Malta fever	Brucellosis - confirmation serology - serum
Malta fever	Brucellosis - screening serology - serum
Mandrax®	Methaqualone - Serum
Manganese - Serum	
Manganese - urine	
Manganese - whole blood	
Mansonella perstans	Filariasis - serology - serum
Maprotiline - Serum	
Maraviroc - Serum	
Marcaine®	Bupivacaine - Serum
Marijuana	Cannabis - urine
Markers in progressive systemic sclerosis(Scleroderma) - serum	
Martin and Pettit agglutination-lysis test - antibody titration	Leptospirosis - 9 antigens serology - Martin-Pettit - serum
Martin and Pettit microagglutination-lysis test - antibody titration	Leptospirosis - 9 antigens serology - Martin-Pettit - serum
MAT - antibody titration	Leptospirosis - 9 antigens serology - Martin-Pettit - serum
Matrix	IgE against multiple individual allergens - inhalant allergens - serum
Mature B lymphocytes	Immunophenotyping: Lymphocytes B - CD19 - whole blood
MAX	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
MAX	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
MBDB	Amphetamines - screening - urine
MC1R	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
MC1R	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
MD5	Myosite Markers - serum
MDA	4,4'-Methylenedianiline - urine
MDA	Amphetamines confirmation - blood test
MDA	Amphetamines - screening - urine
MDA	Malondialdehyde - plasma
MDH2	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
MDH2	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
MDMA	Amphetamines confirmation - blood test
MDMA	Amphetamines - confirmation - urine
MDMA	Amphetamines - screening - urine
Measles - direct diagnosis - PCR	
Measles - IgG/IgM serology - serum	
Measles - immunity test - IgG serology - serum	
Measles IgG - intrathecal synthesis rate - CSF + serum	
Measles virus - IgG immunity test	Measles - immunity test - IgG serology - serum
Measurement of anti-Xa activity - low molecular weight heparin	Anti-Xa activity : low molecular weight heparin - LMWH - plasma
MEC	Methyl ethyl ketone - urine
Mediterranean Boutonneuse fever - serology	Rickettsioses - R. conorii, R. typhi - serology - serum
Melanoma	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
Melatonin - urine	
Melatonin - urines	
Melitococcosis	Brucellosis - confirmation serology - serum
Melitococcosis	Brucellosis - screening serology - serum
Melleril®	Thioridazine - Serum

membrane fatty acids	Erythrocyte fatty acids - chromatography - Total EDTA blood
MEN1	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
MEN1	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
Méningocoque	Designated bacterium - direct diagnosis - PCR
Mepivacaine - serum	
Meprobamate - Serum	
Meprobamate - urine	
Mepronizine®	Meprobamate - Serum
Mepronizine®	Meprobamate - urine
Mercury - biological fluid	
Mercury - hair specimen	
Mercury - saliva	
Mercury - urine	
Mercury - whole blood	
MERTK	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
MERTK	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
Mesothelioma	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
Mestacine®	Minocycline - Serum
MET	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
MET	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
MET	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
MET	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
Metabolites of tetrahydrocannabinol	Cannabis - confirmation - urine
Metadrenaline	Methoxylated derivatives of catecholamines - Free metanephtrines
Metadrenaline	Methoxylated derivatives of catecholamines - Free metanephtrines - child - urine
Metadrenaline	Methoxylated derivatives of catecholamines - Free metanephtrines - Urine
metamphetamin	Amphetamines - screening - urine
Metanephtrines	Methoxylated derivatives of catecholamines - Free metanephtrines
Metanephtrines	Methoxylated derivatives of catecholamines - Free metanephtrines - child - urine
Metanephtrines	Methoxylated derivatives of catecholamines - Free metanephtrines - Urine
Metapneumovirus	Paediatric respiratory viruses (RSV / Metapneumovirus / Rhinovirus) - direct diagnosis -
Metformin - Serum	
Methadone and EDDP - Serum	
Methanol	Methyl alcohol - Serum
Methanol	Methyl alcohol - urine
Methaqualone - Serum	
Methotrexate - Serum	
Methotrexate Bellon®	Methotrexate - Serum
Methoxyamines	Methoxylated derivatives of catecholamines - Free metanephtrines
Methoxyamines	Methoxylated derivatives of catecholamines - Free metanephtrines - child - urine
Methoxyamines	Methoxylated derivatives of catecholamines - Free metanephtrines - Urine
Methoxychlor	Pesticides - screening and/or dosage
Methoxychlor	Pesticides - screening and/or dosage - urine
Methoxylated derivatives of catecholamines - Free metanephtrines	
Methoxylated derivatives of catecholamines - Free metanephtrines - child - urine	
Methoxylated derivatives of catecholamines - Free metanephtrines - Urine	
Methyl alcohol - Serum	
Methyl alcohol - urine	
Methyl ethyl ketone - urine	
Methyl isobutyl ketone - urine	
Methylbenzene	Toluene - urine
Methylbenzene	Toluene - whole blood
Methylene chloride	Dichloromethane - urine
Methylenedioxymphetamine	Amphetamines confirmation - blood test
Methylenedioxymetamphetamine	Amphetamines confirmation - blood test
Methylenetetrahydrofolate reductase - MTHFR gene - c.677C>T mutation - whole blood	
Methylmalonic acid - urines	
Methylphenidate Hydrochloride - Serum	

Metoject®	Methotrexate - Serum
Metoprolol - Serum	
MEVE	Tick-borne encephalitis - TBE - IgG/IgM serology - serum
Mg	Erythrocyte magnesium - whole blood
Mg	Magnesium - serum
Mg	Magnesium - urines
mGluR1 abs CSF	CSF
mGluR5 abs CSF	CSF
MGT30 - anti-antibodies	Anti-titin antibodies - serum
Mi-2 - anti-antibodies	Myosite Markers - serum
Mianserin - Serum	
MIBK	Methyl isobutyl ketone - urine
MIC	Aerobic / anaerobic bacteria - MIC: Minimum Inhibitory Concentration
Microalbumin - urine	
Microdeletions in the Yq11 region, azoospermia factor (AZF)	Y chromosome - (regions AZFs, AZFb, AZFc) - whole blood
Microglobulin - Alpha 1	Alpha-1 Microglobulin - urine
Microglobulin - Beta 2	Beta-2 microglobulin - CSF
Microglobulin - Beta 2	Beta-2 microglobulin - serum
Microglobulin - Beta 2	Beta-2 microglobulin - urine
Micropakine	Valproic acid - serum
Microsporidies	Cryptosporidies - Microsporidies - direct diagnosis - PCR
Microsporidiose	Cryptosporidies - Microsporidies - direct diagnosis - PCR
Midazolam - Serum	
Milnacipran - Serum	
Mineralocorticoid	Aldosterone
Mineralocorticoid	Aldosterone - urine
Minimum inhibitory concentrations - aerobic and anaerobic bacteria	Aerobic / anaerobic bacteria - MIC: Minimum Inhibitory Concentration
Minkowski - Chauffard disease	hereditary spherocytosis - screening (eosin-5'-maleimide (EMA) staining) - whole blood
Minocycline - Serum	
Mirtazapine - serum	
MIS - Müllerian-Inhibiting Substance	AMH - Anti-Müllerian hormone - Child - serum
MIS - Müllerian-Inhibiting Substance	AMH - Anti-Müllerian hormone - serum
MITF	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
MITF	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
MITF	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
Mitochondria - anti-antibodies	Anti-mitochondrial antibodies - screening and titration - serum
Mitotane - plasma	
Mivacron	Specific IgE : ammonium IV - curare - serum
MLH1	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
MLH1	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
MLH1	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
MLH1	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
MMF	Mycophenolate - plasma
MMR	Oncogenetic exome
Mn	Manganese - Serum
Mn	Manganese - urine
Mn	Manganese - whole blood
Moclamine®	Moclobemide - Serum
Moclobemide - Serum	
Modcate®	Fluphenazine - Serum
modigraf	Tacrolimus - FK-506
Moditen®	Fluphenazine - Serum
Mogadon®	Nitrazepam - Serum
Molecular forms of prolactin	Prolactin - molecular forms - serum
Monocytes	Immunophenotyping of malignant hemopaties
Monohydroxybenzene	Phenol - urine
Monomeric prolactin prolactin little	Prolactin - molecular forms - serum
Monomethyl arsenic acid	Arsenic - inorganic an metabolites derivatives - urine

mononucleosis	Epstein-Barr Virus - EBV - IgA EA serology - serum
mononucleosis	Epstein-Barr Virus - EBV - IgG EA serology - serum
Morbillivirus - IgG immunity test	Measles - immunity test - IgG serology - serum
Morphine	Opiates confirmation - blood test
Morphine - confirmation	Opiates - confirmation - urine
Morphine - screening	Opiates - screening - urine
Motival®	Amitriptyline - Serum
Moxifloxacin - Serum	
MPA	Mycophenolate - plasma
MPO - anti-antibodies	Anti-MPO antibodies - myeloperoxidase - serum
MRSA	Antibiotic multi-resistant bacteria (MRB) - screening
MS	Anti-Natalizumab antibodies - serum
MSH2	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
MSH2	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
MSH2	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
MSH2	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
MSH6	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
MSH6	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
MSH6	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
MSH6	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
MTX	Methotrexate - Serum
Muconic acid	Trans-muconic acid - ttMA - urine
Mucopeptide N-acetylmuramylhydrolase	Lysozyme - serum
Mucopolysaccharides - urines	
Multiple sclerosis	Anti-Natalizumab antibodies - serum
Mumps - direct diagnosis - PCR	
Mumps - IgG serology - serum	
Mumps - IgG/IgM serology - serum	
Mumps paramyxovirus - IgG/IgM serology	Mumps - IgG/IgM serology - serum
Mumps paramyxovirus (IgG serology)	Mumps - IgG serology - serum
Mumps virus - IgG/IgM serology	Mumps - IgG/IgM serology - serum
Mumps virus - (serodiagnosis: IgG)	Mumps - IgG serology - serum
Muramidase	Lysozyme - serum
Mutation of the methylenetetrahydrofolate reductase gene	Methylenetetrahydrofolate reductase - MTHFR gene - c.677C>T mutation - whole blood
MUTYH	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
MUTYH	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
Mvasi®)	Bevacizumab - serum
Myagawanellosis	Chlamydia trachomatis - IgG serology - serum
Myambutol®	Ethambutol - Serum
Myasthenia	Anti-acetylcholine receptor antibodies - serum
Myasthenia	Anti-MuSK antibodies - serum
MYBPC3	Cardiogenetic exome
Mycobacteria - culture	
Mycobacteria - direct examination	
Mycobacteria - identification	
Mycobacteria - PCR detection of mutations associated with resistance to isoniazid,	
Mycobacteria - PCR detection of rifampicin and isoniazid resistance in M.tuberculosis complex	
Mycobacteria - PCR M. tuberculosis complex (BKBM)	
Mycobacteria - susceptibility testing	
Mycobacteria - tuberculosis complex	Mycobacteria - PCR detection of rifampicin and isoniazid resistance in M.tuberculosis
Mycobacteria - tuberculosis complex	Mycobacteria - PCR M. tuberculosis complex (BKBM)
Mycobacterium tuberculosis	Mycobacteria - PCR detection of mutations associated with resistance to isoniazid,
Mycobacterium tuberculosis - identification	
Mycophenolate - plasma	
Mycophenolate Mofetil	Mycophenolate - plasma
Mycophenolic acid	Mycophenolate - plasma
Mycoplasma	Mycoplasma pneumoniae - direct diagnosis - PCR
Mycoplasma	Mycoplasma pneumoniae - IgG serology - serum

Mycoplasma	Mycoplasma pneumoniae - IgM serology - serum
Mycoplasma	Urogenital mycoplasma - culture
Mycoplasma genitalium	Mycoplasma genitalium Search for mutations associated with macrolide resistance
Mycoplasma genitalium - Detection by molecular amplification	
Mycoplasma genitalium Search for mutations associated with macrolide resistance	
Mycoplasma hominis	Urogenital mycoplasma - culture
Mycoplasma hominis	Urogenital mycoplasma - serology - serum
Mycoplasma pneumoniae	Respiratory Infection Panel - direct diagnosis - PCR
Mycoplasma pneumoniae - direct diagnosis - PCR	
Mycoplasma pneumoniae - IgG serology - serum	
Mycoplasma pneumoniae - IgM serology - serum	
Mycoplasme	Mycoplasma genitalium - Detection by molecular amplification
Mycosis	Fungus - Yeasts - identification
MYD88 mutation	
MYD88 (Waldenström)	MYD88 mutation
Myelin - anti-antibodies	Anti-myelin antibodies - serum
Myelogram	Myelogram
Myelogram	
Myelogram - Perls staining	
Myeloperoxidase - anti-antibodies	Anti-MPO antibodies - myeloperoxidase - serum
Myfortic	Mycophenolate - plasma
MYH7	Cardiogenetic exome
Myolastan®	Tetrazepam - Serum
Myosin - anti-antibodies	Anti-striated muscle antibodies - serum
Myosite Markers - serum	
Myositis dot	Myosite Markers - serum
Myositis markers	Myosite Markers - serum
Mysoline®	Primidone - serum
Myxovirus influenzae - serology	Influenza A and B - IgG serology - serum
N-acetyl neuraminic acid	Sialic acid free - urines
N-telopeptides	NTx - N-telopeptides of type I collagen - urines
N-Terminal propeptide of type III procollagen	Type III procollagen - serum
NA1 - anti-antibodies	Anti-neutrophil antibodies
Naropeine - serum	
NASH TEST	FibroMAX - . - serum
NASH-FibroTest - serum	
NASHTEST	FibroMAX - . - serum
NashTest 2®	NASH-FibroTest - serum
Native DNA - anti-antibodies	Anti-DNA antibodies Double stranded DNA - serum
Native DNA - anti-antibodies	Anti-DNA antibodies double stranded - Farr test - serum
Native PTH	PTH - Intact parathormone - serum
Natural killer	Immunophenotyping: Lymphocytes CD56+ / CD16+ - Natural Killer Cells - whole blood
NBN	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
NBN	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
NC16A - anti-antibodies	Anti-epidermal basement membrane and intracellular substance antibodies Typing
Nebcine®	Tobramycin - serum
Necrotising myositis	Myosite Markers - serum
NEFA	Fatty acids free non-esterified - serum
Neisseria gonorrhoeae - Detection by molecular amplification	
Neisseria meningitidis	Designated bacterium - direct diagnosis - PCR
Neoral®	Cyclosporin
Nephritic factor	C3NeF - Nephritic factor - serum
nephroblastome	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
Nephrology exome	
Nephropathy	Nephrology exome
Nesdonal - Serum	
Neuleptil®	Periciazine - Serum
Neuro-endocrine	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-

Neuro-Endocrine	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
Neuroborreliosis	Lyme disease - IgG intrathecal index - CSF + serum
Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,	
Neuromyelitis optica - anti-antibodies	Anti-neuromyelitis optica antibodies - serum
Neuron-Specific Enolase	NSE - Neuron-Specific Enolase - biological fluid
Neuron-Specific Enolase	NSE - Neuron-Specific Enolase - serum
Neurone	Anti-ZC4 antibodies - serum
Neurones	Anti-GAD antibodies - CSF
neurons	Anti-titin antibodies - serum
neurons	Anti-ZC4 antibodies - CSF
Neurons	Anti-retina antibodies - serum
Neurons	Anti- SOX1 antibodies - CSF
Neurons	Anti- SOX1 antibodies - serum
Neurons	Anti-titin antibodies - CSF
Neurons	Anti-Tr antibodies - CSF
Neurons	Anti-Tr antibodies - serum
Neurontin®	Gabapentin - serum
Neutralizing anti Interferon BETA antibodies - Serum	
Neutrophils - anti-antibodies	Anti-neutrophil antibodies
Nevirapine	
new index for prostate cancer	[-2]pro-PSA - Phi score calculation - serum
New marker of ovarian cancer	HE4- ROMA calculation - serum
New prostatic cancer marker	[-2]pro-PSA - Phi score calculation - serum
Next Generation Sequencing	Detection and identification bacterial DNA by NGS sequencing
NF1	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
NF1	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
NF1	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
NF2	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
NF2	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
NGS	Detection and identification bacterial DNA by NGS sequencing
NGS	NGS "COLORECTAL 1" panel: KRAS, NRAS, BRAF
NGS	NGS "COLORECTAL 2"panel : AKT1, ALK, BRAF, CTNNB1, EGFR, HER2, FBXW7,
NGS	NGS "GIST " panel : KIT, PDGFRA, BRAF
NGS	NGS "LUNG1" panel: AKT1, ALK, BRAF, DDR2, EGFR, HER2, FGFR1, FGFR2,
NGS	NGS "Melanoma" panel: BRAF, NRAS, KIT
NGS	NGS Panel "LUNG 1" : EGFR-BRAF-MET-KRAS
NGS	NGS "PAN ORGANE" panel: AKT1, ALK, BRAF, CTNNB1, DDR2, EGFR, ERBB2,
NGS "COLORECTAL 1" panel: KRAS, NRAS, BRAF	
NGS "COLORECTAL 2"panel : AKT1, ALK, BRAF, CTNNB1, EGFR, HER2, FBXW7,	
NGS "GIST " panel : KIT, PDGFRA, BRAF	
NGS "LUNG1" panel: AKT1, ALK, BRAF, DDR2, EGFR, HER2, FGFR1, FGFR2, FGFR3,	
NGS "Melanoma" panel: BRAF, NRAS, KIT	
NGS "PAN ORGANE" panel: AKT1, ALK, BRAF, CTNNB1, DDR2, EGFR, ERBB2, ERBB4,	
NGS Panel "LUNG 1" : EGFR-BRAF-MET-KRAS	
NH3	Ammoniaemia - plasma
Ni	Nickel - biological fluid
Ni	Nickel - Serum
Ni	Nickel - urines
Niacin	Vitamin PP - Niacin
Niaprazine - serum	
Nickel - biological fluid	
Nickel - Serum	
Nickel - urines	
Nicolas-Favre - disease	Chlamydia trachomatis - IgA serology - serum
Nicolas-Favre - disease	Chlamydia trachomatis - IgG serology - serum
Nicolas-Favre - disease	Chlamydia trachomatis - IgM serology - serum
Nicotinamide	Vitamin PP - Niacin
Nicotine	Cotinine - urine

Nicotinic acid	Vitamin PP - Niacin
Nimbex	Specific IgE : ammonium IV - curare - serum
Ninalia	Genome Wide (Autosomes and autosomes chromosomal rearrangements > 7Mb)
Ninalia	Genome Wide complet (Autosomes and autosomes chromosomal rearrangements > 7
Ninalia	Ninalia 3 (T13 T18 T21)
Ninalia	Ninalia 5 (T13 T18 T21, Fetal gender ans sex chromosomes aneuploidies)
Ninalia 3 (T13 T18 T21)	
Ninalia 5 (T13 T18 T21, Fetal gender ans sex chromosomes aneuploidies)	
NIPT	Genome Wide (Autosomes and autosomes chromosomal rearrangements > 7Mb)
NIPT	Genome Wide complet (Autosomes and autosomes chromosomal rearrangements > 7
NIPT	Ninalia 3 (T13 T18 T21)
NIPT	Ninalia 5 (T13 T18 T21, Fetal gender ans sex chromosomes aneuploidies)
Nitrazepam - Serum	
Nivaquine®	Chloroquine - Serum
Nizoral®	Ketoconazole - Serum
NK	Immunophenotyping: Lymphocytes CD56+ / CD16+ - Natural Killer Cells - whole blood
NK cells	Immunophenotyping: Lymphocytes CD56+ / CD16+ - Natural Killer Cells - whole blood
NMO	Anti-neuromyelitis optica antibodies - CSF
NMO - anti-antibodies	Anti-neuromyelitis optica antibodies - serum
Noctamide®	Lormetazepam - Serum
Noctran®	Clorazepate - Serum
Non tuberculosis mycobacteria - PCR detection of macrolide and aminoglycoside resistance	
Non-Rhesus/Kell erythrocyte antigens	Extended phenotype - whole blood
Non-Rhesus/Kell phenotype	Extended phenotype - whole blood
Non-SHBG-bound testosterone	Testosterone bioavailability - serum
Nopron®	Niaprazine - serum
Noradrenaline	Catecholamines - free - Urine
Noradrenaline	Free catécholamines
Noradrenaline	Free catécholamines - children - urine
Norclobazam	Clobazam - Serum
Norclomipramine	Clomipramine - Serum
Norclozapine	Clozapine
Norcuron	Specific IgE : ammonium IV - curare - serum
Nordaz ®	Nordazepam - Serum
Nordazepam - Serum	
Nordiazepam	Diazepam + desmethyldiazepam - Serum
Nordoxepine	Doxepin - Serum
Norepinephrine	Catecholamines - free - Urine
Norepinephrine	Free catécholamines
Norepinephrine	Free catécholamines - children - urine
Norfluoxetin	Fluoxetine - serum
Normetadrenaline	Methoxylated derivatives of catecholamines - Free metanephries
Normetadrenaline	Methoxylated derivatives of catecholamines - Free metanephries - child - urine
Normetadrenaline	Methoxylated derivatives of catecholamines - Free metanephries - Urine
Normetanephries	Methoxylated derivatives of catecholamines - Free metanephries
Normetanephries	Methoxylated derivatives of catecholamines - Free metanephries - child - urine
Normetanephries	Methoxylated derivatives of catecholamines - Free metanephries - Urine
Normison®	Temazepam - Serum
Norovirus - direct diagnosis - PCR - Stools	
Norovirus - screening - Stools	
Norovirus GI/GII	Gastrointestinal Panel - direct diagnosis - PCR - Stools
Norset®	Mirtazapine - serum
Nortriptyline	Amitriptyline - Serum
Norvir®	Ritonavir - Serum
Novatrex®	Methotrexate - Serum
Novazam®	Diazepam + desmethyldiazepam - Serum
Nozinan®	Levomepromazine - Serum
NSE - Neuron-Specific Enolase - biological fluid	

NSE - Neuron-Specific Enolase - serum	
NT-proBNP - N-Terminal Pro-Brain Natriuretic Peptide - serum	
NTx	NTx - N-telopeptides of type I collagen - urines
NTx - N-telopeptides of type I collagen - urines	
Nucleosome - anti-antibodies	Anti-nucleosome antibodies - serum
Nuctalon®	Estazolam - Serum
Nutri Check	Juvenalis - NutriCheck
Nutritol	IgG Food Intolerance Panel 287 foods - serum
Nutritol - IgG food panel - 100 foods - serum	
Nutritol - IgG food panel - 25 foods - serum	
Nutritol - IgG food panel - 50 foods - serum	
Nutritol - IgG food panel - 50 foods VEGAN - serum	
NXP2	Myosite Markers - serum
o,p DDD	Mitotane - plasma
o-Cresol - urine	
Oalate content	Oxalic acid - serum
OAU	Organic acids - quantitative - urine
OB protein	Leptin - serum
Oestradiol	Oestradiol - man/child - serum
Oestradiol	Oestradiol - woman - serum
Oestradiol - man/child - serum	
Oestradiol - saliva	
Oestradiol - woman - serum	
Oestrone	Oestrone - serum
Oestrone - serum	
Oflocet®	Ofloxacin - Serum
Ofloxacin - Serum	
OH-tryptamine (5-) - whole blood	Serotonin - whole blood
OJ - anti-antibodies	Myosite Markers - serum
Olanzapine	
Oligosaccharides - screening - urine	
Oligosaccharides - screening test	Oligosaccharides - screening - urine
Omega 3	Erythrocyte fatty acids - chromatography - Total EDTA blood
Omega 6	Erythrocyte fatty acids - chromatography - Total EDTA blood
OMIM code : #105830 / #176270	Angelman / Prader-Willi Syndrome - uniparental disomy - mechanism identification -
OMIM code : #105830 / #176270	Angelman / Prader-Willi Syndrome - SNRPN methylation - whole blood
OMIM code : #105830/ #176270	Angelman / Prader-Willi Syndrome - SNRPN methylation
OMIM code : #105830/ #176270	Angelman / Prader-Willi Syndrome - uniparental disomy - mechanism identification -
OMIM code : *142800/+142830	Class I HLA - HLA-A and HLA-B genotyping - whole blood
OMIM code : *142857 / *604305	Class II HLA - HLA-DQ and HLA-DR genotyping - whole blood
OMIM code : *176930	Factor II - Prothrombin - G20210G>A mutation - whole blood
OMIM code : *191740	UGT1A1 : screening for UGT1A1*28(rs8175347) polymorphism - Involved in irinotecan
OMIM code : *191740/ #143500	Gilbert Syndrome - Screening for UGT1A1*28 (rs8175347) polymorphism
OMIM code : #274270 / *612779	Fluoropyrimidines toxicity risk evaluation Genotyping of dihydropyrimidine
OMIM code : #300624 / *309550	Fragile X - syndrome
OMIM code : #300624 / *309550	Fragile X - syndrome - whole blood
OMIM code : *602421 / #219700	Cystic Fibrosis - CFTR gene - detection of 51 mutations
OMIM code : *602421/#219700	Cystic fibrosis - CFTR gene - detection of 51 mutations - whole blood
OMIM code : *603202/ #223000	lactose primary intolerance - Genetic characterization - whole blood
OMIM code : *607093 / #236250	Methylenetetrahydrofolate reductase - MTHFR gene - c.677C>T mutation - whole blood
OMIM code : *608107 / #249100	Familial Mediterranean fever - MEFV gene - new generation sequencing - whole blood
OMIM code : *612309	Factor V Leiden - p.Arg506Gln mutation - whole blood
OMIM code : #613490 / *107400	Alpha-1 Antitrypsin (SERPINA1 Gene) - Genotyping of S and Z variants (mutations
OMIM code : *613609 / #235200	Haemochromatosis - HFE gene - p.Cys282Tyr mutation - whole blood
OMIM code : *613609 / #235200	Haemochromatosis - HFE gene - p.Ser65Cys mutation
Onchocerciasis	Filariasis - serology - serum
Oncogenetic	Neuroendocrine Oncogenetics Panel Target genes : DLST , DNMT3A, EGLN1, EGLN2,
Oncogénétic	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,

Oncogenetic exome	
Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM, MLH1,	
Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A, CHEK2,	
oncogenetics	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
Oncogenetics	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
Oncogenetics	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
Oncogenetics	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
Oncogenetics	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
Oncogenetics	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
oncologt	NGS "COLORECTAL 1" panel: KRAS, NRAS, BRAF
oncology	NGS "COLORECTAL 2"panel : AKT1, ALK, BRAF, CTNNB1, EGFR, HER2, FBXW7,
oncology	NGS "GIST " panel : KIT, PDGFRA, BRAF
oncology	NGS "LUNG1" panel: AKT1, ALK, BRAF, DDR2, EGFR, HER2, FGFR1, FGFR2,
oncology	NGS "Melanoma" panel: BRAF, NRAS, KIT
oncology	NGS Panel "LUNG 1" : EGFR-BRAF-MET-KRAS
oncology	NGS "PAN ORGANE" panel: AKT1, ALK, BRAF, CTNNB1, DDR2, EGFR, ERBB2,
Opiates - confirmation - urine	
Opiates - screening - urine	
Opiates confirmation - blood test	
Oral anticoagulants : Fluindione - Serum	
Oral anticoagulants : Rodenticides - Serum	
Oral anticoagulants : Warfarin - Serum	
Orap®	Pimozide - Serum
Orbenin®	Cloxacillin - Serum
Organic acids - quantitative - urine	
Orgaran® - anti-Xa	Anti-Xa activity : Danaparoid - Orgaran - plasma
Ornithosis	Chlamydia psittaci - IgA serology - serum
Ornithosis	Chlamydia psittaci - serology - serum
oro-fecal transmission	Hepatitis E - IgM antibody - serum
Oro-fecal transmission	Hepatitis E - IgG antibody - serum
Orosomucoid - serum	
Orosomucoid (Alpha-1-acid glycoprotein)	Orosomucoid - serum
ortho-Cresol	o-Cresol - urine
Osmolality	Osmolarity - serum
Osmolality	Osmolarity - urines
Osmolarity - serum	
Osmolarity - urines	
Osmolarity stool	Electrolytes stool - stool
Ospolot®	Sultiame - Serum
Ostase	Alkaline phosphatases bone
Osteocalcin - serum	
Osteomark	NTx - N-telopeptides of type I collagen - urines
Ovaire	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
Ovarian - anti antibodies	Anti-ovarian antibodies - serum
Ovary	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
OVARY	Oncogenetic exome
Oxacillin - Serum	
Oxalate	Oxalic acid - serum
Oxalate	Oxalic acid - urine
Oxalic acid - serum	
Oxalic acid - urine	
Oxaluria	Oxalic acid - urine
Oxazepam - Serum	
Oxcarbazepine	10-Hydroxy-carbazepine - serum
OxiCheck	Juvenalis - OxyCheck
Oxidative stress	Juvenalis - OxyCheck
Oxidised LDL - anti-antibodies	Anti-oxidised LDL antibodies - IgG and/or IgM - serum
Oxidised LDL - serum	

OxyCheck	Juvenalis - OxyCheck
P	Progesterone - serum
P1NP - Intact N-Terminal Propeptide of Type I Procollagen - serum	
P24 - HIV antigen	HIV - Human Immunodeficiency Virus - p24 antigen - serum
P25 antigen	HIV - Human Immunodeficiency Virus - p24 antigen - serum
P2PSA	[-2]pro-PSA - Phi score calculation - serum
Paediatric respiratory viruses (RSV / Metapneumovirus / Rhinovirus) - direct diagnosis - PCR	
PAI1 - Plasminogen activator inhibitor-1 - plasma	
p.Ala222Val mutation	Methylenetetrahydrofolate reductase - MTHFR gene - c.677C>T mutation - whole blood
PALB2	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
PALB2	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
PALB2	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
Paliperidone	Risperidone
PAM50	Breast Cancer Prognostic Gene Signature Assay - PROSIGNA TEST
panbacterien	Detection and identification bacterial DNA by NGS sequencing
Pancreas	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
Pancreas	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4, CDKN2A, Pancreatic polypeptide - Serum	
Pancreatitis	Anti-lactoferrin antibodies and anti carbonic anhydrase antibodies - serum
¿Panel	Exome Panel for chronic and hereditary pancreatitis
Panel	Cardiogenetic exome
Panel	exome
Panel	Exome Congenital heart defects
Panel	Exome Isolated or syndromic intellectual disability and syndromic neurodevelopmental
Panel	Exome with interpretation interface
Panel	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
Panel	Nephrology exome
Panel	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
Panel	Oncogenetic exome
Panel	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
Panel	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
Panel	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
Panel	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
Panel	Prenatal exome
Panel	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
Panel	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
Panel Cytokine - IL1 beta, IL2, IL4 and IL6 - serum	
Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1, BRCA2,	
Panel oncogénétique Rétinoblastome Gène ciblé : RB1	
Panton Valentine toxin	PVL toxin detection (Staphylococcus aureus) - PCR on strain
Papillomavirus	Papillomavirus - HPV Détection and Typing of 19 high-risk HPV and 18 low-risk HPV -
Papillomavirus - HPV Détection and Typing of 19 high-risk HPV and 18 low-risk HPV - PCR	
Papillomavirus - screening for genital HPV oncogenes	
Paraganglioma	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
Parainfluenza virus 1, 2, 3 - serology	Parainfluenzae 1, 2, 3 - IgG serology - serum
Parainfluenza virus types 1, 2, 3, 4	Respiratory Infection Panel - direct diagnosis - PCR
Parainfluenzae 1, 2, 3 - IgG serology - serum	
Paramyxovirus	Measles - direct diagnosis - PCR
Paramyxovirus	Mumps - direct diagnosis - PCR
Paramyxovirus	Parainfluenzae 1, 2, 3 - IgG serology - serum
Paraprotein	Immunobinding - serum
Parasitological examination of stools	Parasitology - microscopy - Stools
Parasitology - microscopy - Stools	
Parastrongylus cantonensis	Angiostrongylus cantonensis - serology - serum
Parathormone	PTH - Intact parathormone - aspiration biopsy
Parathormone	PTH - Intact parathormone - serum
Parathormone-related protein	PTH-RP - Parathormone related protein - plasma

Parathyroid - anti-antibodies	Anti-Calcium Sensing Receptor antibodies - serum
Parathyroid hormone	PTH - Intact parathormone - aspiration biopsy
Parathyroid hormone	PTH - Intact parathormone - serum
Paratyphoid A/B/C - serology	Salmonellosis - serology - serum
Paroxetine - serum	
Parvovirus B19 - direct diagnosis - PCR	
Parvovirus B19 - IgG/IgM serology - serum	
Parvovirus B19 - immunity test - serum	
PAT	Acid phosphatases total - serum
Paucialbumin	Microalbumin - urine
Pavulon	Specific IgE : ammonium IV - curare - serum
Paxil®	Paroxetine - serum
Pb	Lead - urine
Pb	Lead - whole blood
PBG	Porphobilinogen - urine
PBI	Iodine - serum
PBKN	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
PBRM1	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
PBRM1	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
PC activity	Protein C - activity - plasma
PC Ag	Protein C - antigen - plasma
PCP	Phencyclidine - Serum
PCP - screening	Phencyclidine - screening - urine
PCR - proviral DNA - HTLV-I/II virus	HTLV I/II Qualitative PCR - whole blood
PCT	Procalcitonin
PDGFR alpha - exons 12, 14, 18	
Peflacin®	Pefloxacin - Serum
Pefloxacin - Serum	
PEG prolactin	Prolactin - molecular forms - serum
pemphigoid	Anti-epidermal basement membrane and intracellular substance antibodies Typing
pemphigus	Anti-epidermal basement membrane and intracellular substance antibodies Typing
Pemphigus	Anti-epidermal basement membrane and intracellular substance antibodies - serum
Pentotal	Nesdonal - Serum
Peptide of type III procollagen	Type III procollagen - serum
Peptides from bone collagen degradation	CrossLaps
Peptides from bone collagen degradation	CrossLaps - urines
Peptides from NTx collagen degradation	NTx - N-telopeptides of type I collagen - urines
Perampanel - Serum - PERAMPANEL	
Perchloroethylene	Tetrachloroethylene - urine
Perchloroethylene	Tetrachloroethylene - whole blood
Perfluorohexanesulfonic acid (PFHxS)	PerFluoroAlkylSubstances (PFAS) - Serum
PerFluoroAlkylSubstances (PFAS) - Serum	
Perfluorobutanesulfonic acid (PFBS)	PerFluoroAlkylSubstances (PFAS) - Serum
Perfluorobutanoic acid (PFBA)	PerFluoroAlkylSubstances (PFAS) - Serum
Perfluorodecanoic acid (PFDA)	PerFluoroAlkylSubstances (PFAS) - Serum
Perfluorododecanoic acid (PFDoDA)	PerFluoroAlkylSubstances (PFAS) - Serum
Perfluoroheptanesulfonic acid (PFHpS)	PerFluoroAlkylSubstances (PFAS) - Serum
Perfluoroheptanoic acid (PFHpA)	PerFluoroAlkylSubstances (PFAS) - Serum
Perfluorohexanoic acid (PFHxA)	PerFluoroAlkylSubstances (PFAS) - Serum
Perfluorononanoic acid (PFNA)	PerFluoroAlkylSubstances (PFAS) - Serum
Perfluorooctanesulfonic acid (PFOS)	PerFluoroAlkylSubstances (PFAS) - Serum
Perfluorooctanoic acid (PFOA)	PerFluoroAlkylSubstances (PFAS) - Serum
Perfluoropentanoic acid (PFPeA)	PerFluoroAlkylSubstances (PFAS) - Serum
Perfluoroundecanoic acid (PFUnDA)	PerFluoroAlkylSubstances (PFAS) - Serum
Periciazine - Serum	
Periodic disease - FMF	Familial Mediterranean fever - MEFV gene - new generation sequencing - whole blood
Persantine®	Dipyridamole - Serum
Pertussis - serology	

Pesticides - screening and/or dosage	
Pesticides - screening and/or dosage - urine	
PF4 - heparin - anti-antibodies	Anti-PF4 antibodies - heparin - plasma
p.Glu264Val mutation and p.Glu342Lys mutation	Alpha-1 Antitrypsin (SERPINA1 Gene) - Genotyping of S and Z variants (mutations)
Phadiatop	Specific IgE : inhalant allergen testing - Phadiatop®
Phemphigoïde bulleuse	Anti-epidermal basement membrane and intracellular substance antibodies - serum
Phencyclidine - screening - urine	
Phencyclidine - Serum	
Phenergan®	Promethazine - serum
Phenobarbital - serum	
Phenobarbitone levels in blood	Phenobarbital - serum
Phenol - urine	
Phenothiazine®	Cyamemazine - Serum
Phenothiazines - aspiration biopsy	
Phenothiazines - Serum	
Phenotype (C, c, E, e, Kell)	Rhesus Kell - whole blood
Phenotyping	Immunophenotyping: Lymphocytes B - CD19 - whole blood
Phenotyping	Immunophenotyping: Lymphocytes CD3-CD4-CD8 - whole blood
Phenotyping	Immunophenotyping: Lymphocytes CD56+ / CD16+ - Natural Killer Cells - whole blood
Phenotyping	Immunophenotyping: Lymphocytes NK/CD57 - whole blood
Phenotyping of dihydropyrimidine dehydrogenase	Uracile - dosage(search a risk of toxicity to fluoropyrimidines)
Phenylalanine - urine	
phenylketonuria	Phenylalanine - urine
Phenytoin - serum	
Phéochromocytoma	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
Phi	[-2]pro-PSA - Phi score calculation - serum
Phi index	[-2]pro-PSA - Phi score calculation - serum
Pholcodine	Opiates confirmation - blood test
Pholcodine - confirmation	Opiates - confirmation - urine
Pholcodine - screening	Opiates - screening - urine
Phosphate	Phosphorus - serum
Phosphatidylethanolamine - anti-IgG antibodies	Anti-phosphatidylethanolamine antibodies - IgG - serum
Phosphatidylethanolamine - anti-IgM antibodies	Anti-phosphatidylethanolamine antibodies - IgM - serum
Phosphaturia	Phosphorus - urine
Phosphorus - serum	
Phosphorus - tubular reabsorption rate	
Phosphorus - urine	
Phosphorylated tau protein	TAU - PTAU - Amyloid proteins - CSF
Phylloquinone	Vitamin K1 - Phylloquinone
Phytomenadione	Vitamin K1 - Phylloquinone
Pi - Protease inhibitor	Alpha-1 Antitrypsin - dosage - serum
Pi - Protease inhibitor - genotyping	Alpha-1 Antitrypsin (SERPINA1 Gene) - Genotyping of S and Z variants (mutations)
PIGF	Pre-eclampsia - risk estimation - serum
PIII-P	Type III procollagen - serum
Pimozide - Serum	
Pipamperone - Serum	
Piperacillin - Serum	
Piportil®	Pipothiazine - serum
Pipothiazine - serum	
Pirilene®	Pyrazinamide - Serum
Piroplasmosis	Human babesiosis - serology - serum
PITCH1	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
PITCH2	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
Pituitary hormones - alpha subunits	Alpha subunit - hCG, FSH, LH, TSH - serum
PL12 - anti-antibodies	Myosite Markers - serum
PL7 - anti-antibodies	Myosite Markers - serum
Plaquenil®	Hydroxychloroquine - whole blood
Plasminogen - plasma	

Plasminogen activity	Plasminogen - plasma
Plasmocyte immunophenotyping	Immunophenotyping of malignant hemopaties
Plasmodium falciparum - serology	Malaria - serology - serum
Platelet Coombs	Anti-platelet antibodies bound or free - screening and identification
Platelet typing - whole blood	
Platelet VASP	VASP - VAsodilator Stimulated Phosphoprotein - whole blood
plathelminthes et nemalthemintes	Parasitology - microscopy - Stools
Platinum	Cisplatin - serum
Plavix® - resistance test	VASP - VAsodilator Stimulated Phosphoprotein - whole blood
Plesiomonas shigelloides	Gastrointestinal Panel - direct diagnosis - PCR - Stools
Pleura	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
PM100 - anti-antibodies	Myosite Markers - serum
PM1 - anti - antibodies	Myosite Markers - serum
PM-Scl - anti-antibodies	Myosite Markers - serum
PM75 - anti-antibodies	Myosite Markers - serum
PMS2	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
PMS2	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
PMS2	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
PMS2	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
Pneumococcus	Soluble bacterial antigens Streptococcus pneumoniae - CSF
Pneumococcus	Soluble bacterial antigens Streptococcus pneumoniae - urines
Pneumococcus - serology	Streptococcus pneumoniae - capsular polysaccharide - serology - serum
Pneumocoque	Designated bacterium - direct diagnosis - PCR
Pneumocystis	Pneumocystis jirovecii - Quantitative PCR / fungal load
Pneumocystis carinii	Pneumocystis jirovecii - Quantitative PCR / fungal load
Pneumocystis jirovecii - Quantitative PCR / fungal load	
Pneumogéine®	Theophylline - serum
Pneumotropic viruses - adenovirus	Adenovirus - screening - Stools
Pneumotropic viruses - adenovirus	Adenovirus - serology - serum
Pneumotropic viruses - flu - serology	Influenza A and B - IgG serology - serum
POLD1	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
POLD1	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
POLE	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
POLE	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
Poliomyelitis	Poliovirus - serology - serum
Poliovirus - serology - serum	
Poliovirus type 1	Poliovirus - serology - serum
Polymyositis	Myosite Markers - serum
Polyomavirus BK - gene amplification	Polyomavirus BK - viral load
Polyomavirus BK - molecular diagnosis	Polyomavirus BK - viral load
Polyomavirus BK - viral load	
Polyomavirus JC - direct diagnosis - PCR	
Polyomavirus JC - gene amplification	Polyomavirus JC - direct diagnosis - PCR
Polyomavirus JC - molecular diagnosis	Polyomavirus JC - direct diagnosis - PCR
Ponatinib - Plasma	
Ponderal Assay of Immune Globulin	IgA/G/M - Immunoglobulins A/G/M - serum
Porphobilinogen - urine	
Porphyrin precursors	delta-Aminolevulinic acid - urine
Porphyrin precursors	Porphobilinogen - urine
Porphyrins - stool	
Porphyrins - Urines	
POT1	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
POT1	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
Potassium channels - anti-antibodies	Anti-potassium channel antibodies / Lgi1 Caspr2 - serum
PP	Pancreatic polypeptide - Serum
PR3 - anti-antibodies	Anti-PR3 antibodies - proteinase 3 - serum
Pradaxa	Dabigatran - Measurement of the Dabigatran anti lia activity - plasma
Prasugrel	VASP - VAsodilator Stimulated Phosphoprotein - whole blood

Prazepam - Serum	
Pre-eclampsia	Pre-eclampsia - risk estimation - serum
Pre-eclampsia	Pre-eclampsia sFlt-1 et PlGF - Predictive test - sFlt-1/PlGF ratio - serum
Pre-eclampsia sFlt-1 et PlGF - Predictive test - sFlt-1/PlGF ratio - serum	
Pre-eclampsia - risk estimation - serum	
Pre-eclampsia risk calculation	Pre-eclampsia - risk estimation - serum
Prealbumin - serum	
Predisposition	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
Predisposition	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
Predisposition	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
Predisposition	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
Predisposition	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
Predisposition	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
Predisposition	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
PREDISPOSITION	Oncogenetic exome
Prédisposition	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
Preeclampsia	Pre-eclampsia sFlt-1 et PlGF - Predictive test - sFlt-1/PlGF ratio - serum
Pregabalin	
Pregnenolone - 17-Hydroxy	17-Hydroxy-Pregnenolone - serum
Pregnenolone - 17-OH-	17-Hydroxy-Pregnenolone - serum
Pregnenolone - serum	
Pregnenolone sulfate - serum	
Prekallikrein - activity - plasma	
PRENATAL	Prenatal exome
Prenatal exome	
Presumed diagnosis of O27 types of Clostridium difficile	Clostridium difficile - toxins-screening by PCR
Previscan®	Oral anticoagulants : Fluindione - Serum
Prezista®	Darunavir - Serum
Primidone - serum	
PRIST	Total IgE - serum
PRKN	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
PRL	Prolactin - serum
Pro-Brain Natriuretic Peptide	NT-proBNP - N-Terminal Pro-Brain Natriuretic Peptide - serum
Pro-gastrin-releasing-peptide (ProGRP)	
Proaccelerin	Factor V - Proaccelerin - plasma
Procalcitonin	
Proconvertin	Factor VII - Proconvertin - plasma
Prodilantin	Phenytoin - serum
Progesterone, 17-OH-	17-Hydroxyprogesterone - serum
Progesterone - serum	
Progesterone hormone	Progesterone - serum
Prograf®	Tacrolimus - FK-506
Proinsulin - serum	
Prolactin - molecular forms - serum	
Prolactin - serum	
Prolans A	FSH - Follicle-stimulating hormone - serum
Prolans A	FSH - Follicle-stimulating hormone - urines
PROLANS B	hcG dimeric molecule (alpha + beta) - serum
Promethazine - serum	
Propafenone - Serum	
Propanol®	Isopropyl alcohol - Serum
Propofan®	Dextropropoxyphene - urine
Propoxyphène	Dextropropoxyphene - urine
Propranolol - Serum	
proPSA	[-2]pro-PSA - Phi score calculation - serum
Prostate	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
Prostate	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
Prostate Health Index	[-2]pro-PSA - Phi score calculation - serum

Protease inhibitor	Alpha-1 Antitrypsin - dosage - serum
Protein 14.3.3 - CSF	
Protein 4	HE4- ROMA calculation - serum
protein C	Protein C - activity - plasma
Protein C - activity - plasma	
Protein C - antigen - plasma	
Protein C activity	Protein C - activity - plasma
Protein C anticoagulant activity	Protein C - activity - plasma
Protein C antigen	Protein C - antigen - plasma
Protein electrophoresis - serum	
Protein electrophoresis - urine	
Protein electrophoresis and Immunobinding - serum	
protein S	Protein S - activity - plasma
Protein S100	Protein S100 - serum
Protein S100 - serum	
Protein S100 beta	Protein S100 - serum
Protein S - activity - plasma	
Protein S activity	Protein S - activity - plasma
Protein S anticoagulant activity	Protein S - activity - plasma
Protein-bound iodine	Iodine - serum
Proteinase 3 - anti-antibodies	Anti-PR3 antibodies - proteinase 3 - serum
Proteinemia	Proteins - dosage - serum
Proteinogram	Protein electrophoresis and Immunobinding - serum
Proteinogram	Protein electrophoresis - serum
Proteinogram	Protein electrophoresis - urine
Proteins - biological fluid	
Proteins - dosage - serum	
Proteins - dosage - urine	
Proteins - electrophoresis	Protein electrophoresis and Immunobinding - serum
Proteins - electrophoresis	Protein electrophoresis - serum
Proteins - electrophoresis	Protein electrophoresis - urine
Proteins - urine	Protein electrophoresis - urine
Proteinuria	Proteins - dosage - urine
Prothiaden®	Dosulepin - Serum
Prothrombin - activity	Factor II - Prothrombin - activity - plasma
Prothrombin - Anti-IgG antibodies G	Anti-prothrombin antibodies - IgG - serum
Prothrombin - fragment 1+2	Fragment 1+2 - prothrombin - plasma
Prothrombin mutation	Factor II - Prothrombin - G20210G>A mutation - whole blood
Prothrombin time	Prothrombine Ratio - plasma
Prothrombine Ratio - plasma	
Protide	Proteins - biological fluid
Protidemia	Proteins - dosage - serum
Proton pump - anti antibodies	Anti-proton pump antibodies - serum
Protopic®	Tacrolimus - FK-506
Protoporphyrins	Erythrocyte porphyrins
Protoporphyrins	Porphyrins - stool
Protozoaires	Helminthes - Protozoaires - direct diagnosis - PCR - stool
Provitamin A	Beta-carotene
Prozac®	Fluoxetine - serum
PRSS1	Exome Panel for chronic and hereditary pancreatitis
PS activity	Protein S - activity - plasma
PS-100	Protein S100 - serum
PSA - Prostate-specific antigen free - serum	
PSA - Prostate-specific antigen total - aspiration biopsy	
PSA - Prostate-specific antigen total - serum	
PSA ultra sensible	PSA - Prostate-specific antigen total - serum
PSA2	[-2]pro-PSA - Phi score calculation - serum
PSAL	PSA - Prostate-specific antigen free - serum

PSAT	PSA - Prostate-specific antigen total - aspiration biopsy
PSAT	PSA - Prostate-specific antigen total - serum
Pseudocholinesterase	Cholinesterase - Enzymatic activity - serum
Psittacosis	Chlamydia psittaci - IgA serology - serum
Psittacosis	Chlamydia psittaci - serology - serum
PSV1	Poliovirus - serology - serum
PTCH1	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
PTCH2	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
PTEN	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
PTEN	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
PTEN	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
PTEN	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
PTEN	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
pteroyl-monoglutamic acid	Erythrocyte folic acid - whole blood
pteroyl-monoglutamic acid	Folic acid - serum
pteroylglutamic acid	Erythrocyte folic acid - whole blood
pteroylglutamic acid	Folic acid - serum
PTH 1-84	PTH - Intact parathormone - aspiration biopsy
PTH 1-84	PTH - Intact parathormone - serum
PTH - intact	PTH - Intact parathormone - aspiration biopsy
PTH - intact	PTH - Intact parathormone - serum
PTH - Intact parathormone - aspiration biopsy	
PTH - Intact parathormone - serum	
PTH-like	PTH-RP - Parathormone related protein - plasma
PTH-related peptide	PTH-RP - Parathormone related protein - plasma
PTH-RP - Parathormone related protein - plasma	
PTHrP	PTH-RP - Parathormone related protein - plasma
PTT	Factor Willebrand protease activity - ADAMTS 13
Puce à ADN	Constitutional Molecular Karyotype - SNP ARRAY - Product of conception
Pulmonary	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
Purpura thrombotique thrombocytopénique	Factor Willebrand protease activity - ADAMTS 13
Puumala	Hantavirus - IgG/IgM serology - serum
PV1	Poliovirus - serology - serum
PVL toxin detection (Staphylococcus aureus) - PCR on strain	
Pyrazinamide - Serum	
Pyridoxal	Vitamin B6 - Pyridoxal phosphate
Pyridoxal phosphate	Vitamin B6 - Pyridoxal phosphate
Pyridoxamine	Vitamin B6 - Pyridoxal phosphate
Pyridoxine	Vitamin B6 - Pyridoxal phosphate
Pyruvate	Ketone bodies - Deproteinized heparin whole blood sample or CSF
Pyruvate	Pyruvic acid - Supernatant or CSF
Pyruvic acid	Ketone bodies - Deproteinized heparin whole blood sample or CSF
Pyruvic acid - Supernatant or CSF	
Q fever	Coxiella burnetii - phase 1 and 2 - serology - serum
Q fever	Coxiella burnetii - serology - serum
Quantiferon® TB Gold Plus	Interferon gamma production - Quantiferon® TB Gold Plus
Quantiferon test	Interferon gamma production - Quantiferon® TB Gold Plus
Quantitative RPR	Syphilis - VDRL or quantitative RPR
Quantitative VDRL	Syphilis - VDRL or quantitative RPR
Quetiapine	
Quinidine - Serum	
QUINIMAX	Quinine - Serum
Quinine - Serum	
Quitaxon®	Doxepin - Serum
R. mooseri	Rickettsioses - R. conorii, R. typhi - serology - serum
R506Q mutation	Factor V Leiden - p.Arg506Gln mutation - whole blood
Rabies	Rabies - serology - serum
Rabies - anti-antibodies	Rabies - serology - serum

Rabies - serology - serum	
RAC	Anti-acetylcholine receptor antibodies - serum
RAD51B	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
RAD51C	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
RAD51C	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
RAD51C	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
RAD51D	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
RAD51D	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
Raltegravir - Serum	
RAP	Renin active
Rapamune®	Sirolimus
Rapid Plasma Reagin	Syphilis - VDRL or quantitative RPR
RARE DISEASES	exome
RARE DISEASES	Exome with interpretation interface
RARE DISEASES	Nephrology exome
RB1	Panel oncogénétique Rétinoblastome Gène ciblé : RB1
RBP	Retinol-Binding Protein - RBP
rectal	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
Reducing sugars	Sugars - screening - stool
réinterprétation d'exome	
Remsima	Infliximab
Renal	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B, MET,	
Renin active	
Renin Active - lying	
Renin active- standing	
Renin activity	Renin active
Renin-angiotensin system activity	Renin active
Renome	Nephrology exome
Repaglinide	Sulphonylureas - serum
Resistance to macrolides	Mycoplasma genitalium Search for mutations associated with macrolide resistance
Resistance to second-line injectable antibiotics (aminoglycosides)	Mycobacteria - PCR detection of mutations associated with resistance to isoniazid,
Respiratory Infection Panel - direct diagnosis - PCR	
Respiratory Syncytial Virus	Respiratory syncytial virus - RSV - IgG serology - serum
Respiratory syncytial virus - RSV - IgG serology - serum	
RET	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
RET	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
Retine	Panel oncogénétique Rétinoblastome Gène ciblé : RB1
Rétinoblastome	Panel oncogénétique Rétinoblastome Gène ciblé : RB1
Retinol	Vitamin A - Retinol - Plasma
Retinol-Binding Protein - RBP	
Retrovir®	Zidovudine - plasma
Reverse T3	rT3 - Reverse triiodothyronine
Reverse transcriptase - Gene sequencing	HIV - Human Immunodeficiency Virus - genotyping (reverse transcriptase and protease
Reverse triiodothyronine	rT3 - Reverse triiodothyronine
Rexort	Specific IgE : ammonium IV - curare - serum
Reyataz®	Atazanavir - Serum
RF	Rheumatoid factors - IgA - serum
RF	Rheumatoid factors - serum
RH3 Genotyping	Fetal RH3(E) - genotyping
RH3 Genotyping	Fetal RHc - genotyping
RHD	Rhesus D - foetal genotype
Rhesus D	blood grouping - genotyping - whole blood
Rhesus D	Rhesus D - foetal genotype
Rhesus D - foetal genotype	
Rhesus Kell - whole blood	
Rhesus/Kell	Rhesus Kell - whole blood
Rhesus/Kell antigens	Rhesus Kell - whole blood

Rheumatoid factor - IgM	Rheumatoid factors - serum
Rheumatoid factors - IgA - serum	
Rheumatoid factors - serum	
Rhinovirus	Paediatric respiratory viruses (RSV / Metapneumovirus / Rhinovirus) - direct diagnosis -
Ri - anti-antibodies	Anti-neuron antibodies - serum
Riboflavin	Vitamin B2 - Riboflavin
Ribosomes - anti-antibodies	Anti-ribosome antibodies - serum
Rickettsia prowazekii	Rickettsioses - R. conorii, R. typhi - serology - serum
Rickettsie	Rickettsioses - R. conorii, R. typhi - serology - serum
Rickettsioses - R. conorii, R. typhi - serology - serum	
Rifabutin - Serum	
Rifadine®	Rifampicin - serum
Rifampicin - serum	
Rifater®	Pyrazinamide - Serum
R/IL-2	Interleukin (IL)-2 - receptor
Rilpivirine	
RIMIFON	INH - Isoniazid - Serum
Risk of Ovarian Malignancy Algorithm	HE4- ROMA calculation - serum
Risperdal®	Risperidone
Risperidone	
RIST	Total IgE - serum
Ristocetin cofactor	Von Willebrand factor - plasma
Ritalin	Methylphenidate Hydrochloride - Serum
Ritemvia®	Rituximab - serum
Ritonavir - Serum	
Rituxan®	Rituximab - serum
Rituximab	Immunophenotyping: Lymphocytes B - CD19 - whole blood
Rituximab - serum	
Rituzena®	Rituximab - serum
Rivaroxaban - Anti Xa activity measurement - plasma	
Rivotril®	Clonazepam - Serum
Rixathon®	Rituximab - serum
Riximyo®	Rituximab - serum
RNA - HDV	Hepatitis Delta - viral load - PCR
RO52	Anti-ENA antibodies (SSA, SSB, Sm, Rnp, Jo1, Scl-70) - screening and titration - serum
RoActemra	Tocilizumab - serum
ROCA	HE4- ROMA calculation - serum
Rocephine®	Ceftriaxone - Serum
rocky mountain fever	Rickettsioses - R. conorii, R. typhi - serology - serum
Rohypnol®	Flunitrazepam - serum
ROMA	HE4- ROMA calculation - serum
ROMA algorithm	HE4- ROMA calculation - serum
ROMA index	HE4- ROMA calculation - serum
ROMA Index	HE4- ROMA calculation - serum
Ropivacaine®	Naropeine - serum
Rose-Bengal and Wright	Brucellosis - screening serology - serum
Rosenthal - factor	Factor XI - Rosenthal - plasma
Rosenthal factor	Factor XI - Rosenthal - plasma
Roseola	Herpes virus type 6 - IgG serology - serum
Roseola	Herpes virus type 6 - IgM serology - serum
Rosner index	Circulating anticoagulant - screening - plasma
Rosner index	Circulating Lupus anticoagulant - screening - plasma
Rotavirus - rapid screening - Stools	
Rotavirus A	Gastrointestinal Panel - direct diagnosis - PCR - Stools
Rovalcyte	Ganciclovir - plasma
RP	Prothrombine Ratio - plasma
RPCa	Activated protein C resistance - plasma
RPR	Syphilis - VDRL or quantitative RPR

rfl	Non tuberculosis mycobacteria - PCR detection of macrolide and aminoglycoside
rrs	Non tuberculosis mycobacteria - PCR detection of macrolide and aminoglycoside
RSSE	Tick-borne encephalitis - TBE - IgG/IgM serology - serum
RST	Soluble transferrin receptor - serum
RsTf	Soluble transferrin receptor - serum
rT3	rT3 - Reverse triiodothyronine
rT3 - Reverse triiodothyronine	
RTEL1	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
RTEL1	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
Rubella - antibody avidity - IgG - serum	
Rubella virus - antibody avidity	Rubella - antibody avidity - IgG - serum
Rufinamide - Serum	
Rythmodan®	Disopyramide - serum
Rythmol®	Propafenone - Serum
S65C mutation	Haemochromatosis - HFE gene - p.Ser65Cys mutation
Sabril®	Vigabatrin - Serum
Saccharomyces cerevisiae - anti-antibodies	Anti-Saccharomyces cerevisiae antibodies - IgG/IgA - serum
SAE	Myosite Markers - serum
SAICAR	Adenylosuccinase - deficiency syndrome screening - urine
salivary stone	Biliary,salivary and articular stone - morphologic and infrared analysis
Salmonella sp	Gastrointestinal Panel - direct diagnosis - PCR - Stools
Salmonellosis - serology - serum	
Sandell-Kolthoff reaction	Iodine - serum
Sandell-Kolthoff reaction	Iodine - urine
Sandimun®	Cyclosporin
Sapovirus GI/GII/GIV/GV	Gastrointestinal Panel - direct diagnosis - PCR - Stools
Sarcoptes scabiei	scabies - screening
SARS-CoV-2	COVID 19 / Influenza virus A and B - panel - direct diagnosis - PCR
SARS-CoV-2	COVID-19 (SARS-CoV-2) IgG serology anti-S
SARS-CoV-2	Respiratory Infection Panel - direct diagnosis - PCR
saturnism	Lead - whole blood
SBG	Sex-Binding Globulin - SHBG - serum
SBP	Sex-Binding Globulin - SHBG - serum
SCA	Anti-adrenal gland antibodies - serum
scabies - screening	
SCC	SCC-TA4 antigen - aspiration biopsy
SCC	SCC-TA4 antigen - serum
SCC-TA4 antigen - aspiration biopsy	
SCC-TA4 antigen - serum	
schistocyte	Erythrocytes morphological aspect
Schistosoma haematobium	Schistosomiasis - direct diagnosis - PCR
Schistosoma mansoni	Schistosomiasis - direct diagnosis - PCR
Schistosomas	Schistosomiasis - confirmation serology - serum
Schistosomas	Schistosomiasis - direct diagnosis - PCR
Schistosomas	Schistosomiasis - screening serology - serum
Schistosomiasis	Schistosomiasis - direct diagnosis - PCR
Schistosomiasis - confirmation serology - serum	
Schistosomiasis - direct diagnosis - PCR	
Schistosomiasis - screening serology - serum	
Schwachmann - test	Chymotrypsin
Schwannoma	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
SCN-	Thiocyanates - ion - Serum
SCN-	Thiocyanates - ion - urine
SCN5A	Cardiogenetic exome
Score matutes	Immunophenotyping of malignant hemopaties
Screening	COVID-19 - (SARS-CoV-2) - screening for S gene By RT-PCR
Screening for heparin-induced thrombopaenia	Anti-PF4 antibodies - heparin - plasma
SCSA	DNA fragmentation test - DNA decondensation - SCSA - Sperm

SDHA	DHEAS - Dehydroepiandrosterone sulfate - serum
SDHA	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
SDHA	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
SDHA	Sulfate DHEA salivary - saliva
SDHAF2	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
SDHAF2	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
SDHAF2	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
SDHB	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
SDHB	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
SDHB	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
SDHC	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
SDHC	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
SDHC	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
SDHD	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
SDHD	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
SDHD	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
SDHEA	DHEAS - Dehydroepiandrosterone sulfate - serum
SDHEA	Sulfate DHEA salivary - saliva
Se	Selenium
Se	Selenium - urine
Search for B and binary toxins of C. difficile.	Clostridium difficile - toxins-screening by PCR
SEBG	Sex-Binding Globulin - SHBG - serum
Sectral®	Acebutolol - serum
Selectivity index	Protein electrophoresis - urine
Selenium	
Selenium - urine	
Seloken®	Metoprolol - Serum
Seoul	Hantavirus - IgG/IgM serology - serum
SEQONE	Exome with interpretation interface
SEQUENCING	Prenatal exome
Sequencing of the coding gene for the envelope protein gp120	HIV - Human Immunodeficiency Virus - Genotyping (fusion inhibitor): anti viral
Serecor®	Hydroquinidine - Serum
Seresta®	Oxazepam - Serum
Seroplex	Escitalopram - serum
Serotonin - whole blood	
Serotonin metabolite	5-HIAA - 5-hydroxyindoleacetic acid - Urine
Sertraline - serum	
Serum	
Serum amyloid A	Serum amyloid A protein - SAA - serum
Serum amyloid A protein	Serum amyloid A protein - SAA - serum
Serum amyloid A protein - SAA - serum	
Serum markers for Trisomy 21	Trisomy 21 - 1st trimester combined screening - serum
Serum markers for Trisomy 21	Trisomy 21 - maternal serum markers - 2 parameters - serum
Serum markers for Trisomy 21	Trisomy 21 - maternal serum markers - 3 parameters - serum
Serum proteins - immunofixation	Immunobinding - serum
Serum proteins - immunofixation	Protein electrophoresis and Immunobinding - serum
Serum screening for Trisomy 21 risk	Trisomy 21 - 1st trimester combined screening - serum
Serum screening for Trisomy 21 risk	Trisomy 21 - maternal serum markers - 2 parameters - serum
Serum screening for Trisomy 21 risk	Trisomy 21 - maternal serum markers - 3 parameters - serum
SETD2	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
SETD2	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
Sex Hormone-Binding Globulin	Sex-Binding Globulin - SHBG - serum
Sex-Binding Globulin	Sex-Binding Globulin - SHBG - serum
Sex-Binding Globulin - SHBG - serum	
Sézary - cells	Sézary cells - screening - smear
Sézary cells - screening - smear	
sFlt-1	Pre-eclampsia sFlt-1 et PIGF - Predictive test - sFlt-1/PIGF ratio - serum
Shiga-like toxin-producing E. coli (STEC) stx1/stx2	Gastrointestinal Panel - direct diagnosis - PCR - Stools

Shigella/Enteroinvasive E. coli (EIEC)	Gastrointestinal Panel - direct diagnosis - PCR - Stools
Shit	Cannabis - urine
Si	Silicon - Plasma
Sialic acid free - urines	
Sialic acid-deficient transferrin	Carbohydrate-deficient transferrin - serum
Sickle cell disease	Haemoglobin - electrophoresis - whole blood
sickle cells	Erythrocytes morphological aspect
Sickness disease	Leptospirosis - IgM serology - serum
Siderophilin	Transferrin - serum
slgA	IgA - Immunoglobulin A secretory - stool
Silicon - Plasma	
Simponi®	Golimumab - serum
Sin	Hantavirus - IgG/IgM serology - serum
Sinequan®	Doxepin - Serum
Sirolimus	
Skeletal muscle	Anti-striated muscle antibodies - serum
Skin	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
Skin	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
Skin - anti-antibodies	Anti-epidermal basement membrane and intracellular substance antibodies - serum
Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R, MITF,	
SLA/LP - anti-antibodies	Anti-SLA antibodies - Soluble Liver Antigen - serum
SLC25A11	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
SLC25A11	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
Sleeping sickness - screening for parasite	Trypanosoma gambiense - screening - CSF
Sleeping sickness - serology	Trypanosoma gambiense - serology - CSF
Sleeping sickness - serology	Trypanosoma gambiense - serology - serum
SLO syndrome	7-Dehydrocholesterol
SMAD4	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
SMAD4	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
SMARCB1	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
SMARCB1	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
SMC	IGF-1 - Somatomedin C - serum
Smith-Lemli-Opitz - syndrome	7-Dehydrocholesterol
Smith-Lemli-Opitz syndrome	7-Dehydrocholesterol
Smooth muscles - anti-antibodies	Anti-smooth muscle antibodies - screening and titration - serum
SMT	Melatonin - urine
snp	Constitutional Molecular Karyotype-SNP ARRAY - whole blood
SNP	Constitutional Molecular Karyotype-SNP ARRAY
SNP	Constitutional Molecular Karyotype - SNP ARRAY - Product of conception
SNP -array	Constitutional Molecular Karyotype - SNP ARRAY - Product of conception
SNP array	Constitutional Molecular Karyotype-SNP ARRAY
SNV	Cardiogenetic exome
SNV	exome
SNV	Exome Congenital heart defects
SNV	Exome Isolated or syndromic intellectual disability and syndromic neurodevelopmental
SNV	Exome Panel for chronic and hereditary pancreatitis
SNV	Exome with interpretation interface
SNV	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
SNV	Hantavirus - IgG/IgM serology - serum
SNV	Nephrology exome
SNV	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
SNV	Oncogenetic exome
SNV	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
SNV	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
SNV	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
SNV	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
SNV	Prenatal exome
SNV	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,

SNV	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
SOD	Superoxide dismutase - SOD
Sodium valproate	Valproic acid - serum
Solian®	Amisulpride - Serum
solid tumor	NGS "COLORECTAL 1" panel: KRAS, NRAS, BRAF
solid tumor	NGS "COLORECTAL 2"panel : AKT1, ALK, BRAF, CTNNB1, EGFR, HER2, FBXW7,
solid tumor	NGS "GIST " panel : KIT, PDGFRA, BRAF
solid tumor	NGS "LUNG1" panel: AKT1, ALK, BRAF, DDR2, EGFR, HER2, FGFR1, FGFR2,
solid tumor	NGS "Melanoma" panel: BRAF, NRAS, KIT
solid tumor	NGS "PAN ORGANE" panel: AKT1, ALK, BRAF, CTNNB1, DDR2, EGFR, ERBB2,
Solid tumor	NGS Panel "LUNG 1" : EGFR-BRAF-MET-KRAS
soluble antigen	Candida - Mannane antigen - serum
Soluble antigen - Aspergillus fumigatus	Aspergillosis - soluble antigen - testing - BAL
Soluble antigen - Aspergillus fumigatus	Aspergillosis - soluble antigen - testing - serum
Soluble antigen of Legionella pneumophila	Legionellosis antigenes LP1 - urines
Soluble bacterial antigens Streptococcus pneumoniae - CSF	
Soluble bacterial antigens Streptococcus pneumoniae - urines	
Soluble complexes	
Soluble cryptococcal antigen	Cryptococcus neoformans - soluble antigen - testing
Soluble Interleukin-2 receptor	Interleukin (IL)-2 - receptor
Soluble Liver Antigen - anti-antibodies Soluble Liver Antigen - anti-antibodies	Anti-SLA antibodies - Soluble Liver Antigen - serum
Soluble nuclear anti-antigen antibodies	Anti-ENA antibodies (SSA, SSB, Sm, Rnp, Jo1, Scl-70) - screening and titration - serum
Soluble transferrin receptor	Soluble transferrin receptor - serum
Soluble transferrin receptor - serum	
Somathormone	GH - Growth hormone - serum
Somatocrinin	GHRH - Growth-Hormone-Releasing-Hormone - plasma
Somatomedin C	IGF-1 - Somatomedin C - serum
Somatostatin - plasma	
Somatotrop Hormone	GH - Growth hormone - serum
Somatotrophic Hormone	GH - Growth hormone - serum
Somatotrophin	GH - Growth hormone - serum
Somatotropin	GH - Growth hormone - serum
Somatotropin Release Inhibiting Factor	Somatostatin - plasma
Sotalex®	Sotalol - serum
Sotalol - serum	
South American trypanosomiasis	Trypanosoma cruzi - serology - serum
South American trypanosomiasis - confirmation	Trypanosoma cruzi - confirmation - serum
Spanor®	Doxycycline - Serum
Specific fibrin degradation product	D-Dimers - plasma
Specific IgE : ammonium IV - curare - serum	
Specific IgE : food allergen testing - Trophatop® adult - fx5/fx24/fx25	
Specific IgE : food allergen testing - Trophatop® children - fx26/fx27/fx28	
Specific IgE : food allergens - allergen mix - serum	
Specific IgE : hymenoptera venom - single allergen	
Specific IgE : inhalant allergen testing - Phadiatop®	
Specific IgE : inhalant allergens - allergen mix	
Specific IgE : latex - single allergen	
Specific IgE : Phadia - food allergens - single allergen	
Specific IgE : Phadia - inhalant allergens - single allergen	
Specific IgE - inhalant - single allergen	Specific IgE - inhalant allergens - single allergen
Specific IgE - inhalant - single allergen	Specific IgE : Phadia - inhalant allergens - single allergen
Specific IgE - inhalant allergens - single allergen	
Specific IgE - Respiratory and food allergen screen -Phadiatop® infant	
Specific IgE (CAP-RAST) - inhalant allergens - single allergen	Specific IgE - inhalant allergens - single allergen
Specific IgE (CAP-RAST) - inhalant allergens - single allergen	Specific IgE : Phadia - inhalant allergens - single allergen
Specific IgE medicines - single allergen - Hycor	
Specific IgE medicines - single allergen-Phadia	
Specific IgE (RAST) - single allergen	Specific IgE - inhalant allergens - single allergen

Specific IgE (RAST) - single allergen	Specific IgE : Phadia - inhalant allergens - single allergen
Specific IgEs - CLA30 - food allergens	IgE against multiple individual allergens - food allergens - serum
Specific IgEs - CLA30 - inhalant allergens	IgE against multiple individual allergens - inhalant allergens - serum
Specific IgEs - CLA30 - mixed allergens	IgE against multiple individual allergens - Food and Inhalant panels - serum
Specific IgEs - food - single allergen	Specific IgE : Phadia - food allergens - single allergen
Specific IgEs - food mixes	Specific IgE : food allergens - allergen mix - serum
Specific IgEs - inhalant mixes	Specific IgE : inhalant allergens - allergen mix
Specific IgEs (CAP-RAST) - food allergen combination	Specific IgE : food allergens - allergen mix - serum
Specific IgEs (CAP-RAST) - food allergens - single allergen	Specific IgE : Phadia - food allergens - single allergen
Specific IgEs (CAP-RAST) - hymenoptera venom	Specific IgE : hymenoptera venom - single allergen
Specific IgEs (CAP-RAST) - inhalant allergen mix	Specific IgE : inhalant allergens - allergen mix
Specific IgEs: inhalant mixes	Specific IgE : inhalant allergen testing - Phadiatop®
Specific IgEs (RAST) - food allergens - allergen mix	Specific IgE : food allergens - allergen mix - serum
Specific IgEs (RAST) - food allergens - single allergen	Specific IgE : Phadia - food allergens - single allergen
Specific IgEs (RAST) - hymenoptera venom	Specific IgE : hymenoptera venom - single allergen
Specific IgEs (RAST) - inhalant allergen mix	Specific IgE : inhalant allergens - allergen mix
SPECIFIC IgG - serum	
SPECIFIC IgG4 - serum	
Sperm - anti-antibodies	Anti-sperm antibodies - indirect screening
Sperm Chromatin Structure Assay	DNA fragmentation test - DNA decondensation - SCSA - Sperm
spherocytes	Erythrocytes morphological aspect
Spingolipid	Anti-glycolipid antibodies - serum
SPINK1	Exome Panel for chronic and hereditary pancreatitis
Spironolactone	Diuretics - screening and dosage - urine
Sporanox®	Itraconazole and hydroxylated metabolite - Serum
Squamous Cell Carcinoma	SCC-TA4 antigen - aspiration biopsy
Squamous Cell Carcinoma	SCC-TA4 antigen - serum
SRIF	Somatostatin - plasma
SRP - anti-antibodies	Myosite Markers - serum
SRV A/B	Paediatric respiratory viruses (RSV / Metapneumovirus / Rhinovirus) - direct diagnosis -
SSA	Anti-ENA antibodies (SSA, SSB, Sm, Rnp, Jo1, Scl-70) - screening and titration - serum
Stablon®	Tianeptine - serum
Stallertest	Specific IgE : inhalant allergen testing - Phadiatop®
Stavudine - plasma	
Steatorrhoea - fat dosage - stool	
SteatoTest	FibroMAX - . - serum
STEATOTEST	FibroMAX - . - serum
SteatoTest 2®.	NASH-FibroTest - serum
Stelara®	Ustekinumab - serum
Steroid cell antibodies	Anti-adrenal gland antibodies - serum
Steroid profile - urine	
Steroids panel - Examination of gonad function	
Steroids panel - Exploration of hirsutism	
Steroids panel - Study of amniotic fluid - Amniotic fluid	
Steroids panel - Testing for a disorder in steroid biosynthesis	
STH	GH - Growth hormone - serum
Stilnox®	Zolpidem - Serum
Stiripentol - Serum	
STK11	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
STK11	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
STN1	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
STN1	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
Stomach	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
Stomach - anti-antibodies	Anti-parietal cell antibodies - stomach - serum
Stone analysis	Urinary stone - morphologic and infrared analysis
Stool chemistry	Chemical analysis - stool
streptococcic serology	Antistreptolysin - ASLO - serum
Streptococcus pneumoniae	Designated bacterium - direct diagnosis - PCR

Streptococcus pneumoniae	Soluble bacterial antigens Streptococcus pneumoniae - CSF
Streptococcus pneumoniae	Soluble bacterial antigens Streptococcus pneumoniae - urines
Streptococcus pneumoniae - capsular polysaccharide - serology - serum	
Streptococcus pneumoniae - serology	Streptococcus pneumoniae - capsular polysaccharide - serology - serum
stretodornase	Antistreptodornase B - ASD B - serum
Striated muscles - anti-antibodies	Anti-striated muscle antibodies - serum
Stribild	Tenofovir - plasma
Stribild®	Cobicistat - plasma
Stribild®	Elvitegravir - Serum
Strongyloidiasis - serology	Strongyloidiasis - serology - serum
Strongyloidiasis - serology - serum	
Stuart - factor	Factor X - Stuart-Prower - plasma
Stuart factor	Factor X - Stuart-Prower - plasma
Subutex	Buprenorphine - Serum
Subutex®	Buprenorphine and metabolites - urine
Succinyl AICAR	Adenylosuccinase - deficiency syndrome screening - urine
Succinylcholine	Specific IgE : ammonium IV - curare - serum
Sudden death	Cardiogenetic exome
SUFU	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
SUFU	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
Sugars - screening - stool	
Sulfate de DHA	Sulfate DHEA salivary - saliva
Sulfate DHEA salivary - saliva	
Sulfatides - urine	
Sulfatoxymelatonin	Melatonin - urine
Sulphonylureas - serum	
Sulphonylureas - urine	
Sulpiride - Serum	
Sultiame - Serum	
Sultopride - Serum	
Superoxide dismutase - SOD	
Surmontil®	Trimipramine - Serum
Surquina®	Quinidine - Serum
Susceptibility testing - MIC	Helicobacter pylori - culture
Sustiva®	Efavirenz
Syndrome Upshaw-Schulman	Factor Willebrand protease activity - ADAMTS 13
Synedil®	Sulpiride - Serum
Syphilis	Genital ulcérations panel - direct diagnosis - PCR
Syphilis	Treponema pallidum - Detection via PCR
Syphilis - IgG confirmation serology - serum	
Syphilis - IgM confirmation serology - serum	
Syphilis - IgM serology - serum	
Syphilis - titration - CSF	
Syphilis - Treponemique test - screening serology - serum	
Syphilis - VDRL or quantitative RPR	
T lymphocytes	Immunophenotyping: Lymphocytes CD3-CD4-CD8 - whole blood
T21 - serum markers	Trisomy 21 - 1st trimester combined screening - serum
T21 - serum markers	Trisomy 21 - maternal serum markers - 2 parameters - serum
T21 - serum markers	Trisomy 21 - maternal serum markers - 3 parameters - serum
T21 MSM	Trisomy 21 - 1st trimester combined screening - serum
T21 MSM	Trisomy 21 - maternal serum markers - 2 parameters - serum
T21 MSM	Trisomy 21 - maternal serum markers - 3 parameters - serum
t-PA	Tissue plasminogen activator - tPA - antigen - plasma
T3, T4, T8	Immunophenotyping: Lymphocytes CD3-CD4-CD8 - whole blood
T3 - anti-antibodies	Anti-T3 antibodies - triiodothyronine
T3 - Triiodothyronine - urine	
T4 - anti-antibodies	Anti-T4 antibodies - thyroxine
T4 - Thyroxine - urine	

TA 4	SCC-TA4 antigen - aspiration biopsy
TA 4	SCC-TA4 antigen - serum
TA4 antigen	SCC-TA4 antigen - aspiration biopsy
TA4 antigen	SCC-TA4 antigen - serum
Tacrolimus	Tacrolimus - FK-506
Tacrolimus - FK-506	
Taenia	Cysticercosis - Taenia Solium - IgG serology - serum
Taenia solium	Cysticercosis - confirmation serology
Taenia Solium	Cysticercosis - Taenia Solium - IgG serology - serum
TAG-72	CA 72-4 antigen - aspiration biopsy
TAG-72	CA 72-4 antigen - serum
TAG-72 antigen	CA 72-4 antigen - aspiration biopsy
TAG-72 antigen	CA 72-4 antigen - serum
Taloxa®	Felbamate - Serum
Targeted Sequencing - Postnatal	
Targeted Sequencing - Prenatal	
targeted therapy	NGS "COLORECTAL 1" panel: KRAS, NRAS, BRAF
targeted therapy	NGS "COLORECTAL 2"panel : AKT1, ALK, BRAF, CTNNB1, EGFR, HER2, FBXW7,
targeted therapy	NGS "GIST " panel : KIT, PDGFRA, BRAF
targeted therapy	NGS "LUNG1" panel: AKT1, ALK, BRAF, DDR2, EGFR, HER2, FGFR1, FGFR2,
targeted therapy	NGS "Melanoma" panel: BRAF, NRAS, KIT
targeted therapy	NGS "PAN ORGANE" panel: AKT1, ALK, BRAF, CTNNB1, DDR2, EGFR, ERBB2,
Targeted therapy	NGS Panel "LUNG 1" : EGFR-BRAF-MET-KRAS
Targocid®	Teicoplanin - serum
TAU - PTAU - Amyloid proteins - CSF	
Tavanic®	Levofloxacin - Serum
Tazocilline®	Piperacillin - Serum
TBE virus - serology	Tick-borne encephalitis - TBE - IgG/IgM serology - serum
TBG	Thyroxine-binding globulin - TBG - serum
TBII	Anti-TSH receptor antibodies - serum
TCE + TCA	Trichloroacetic acid + Trichloroethanol - TCE + TCA - urine
TCK	Activated Partial Thromboplastin Time - aPTT - plasma
TCT	Calcitonin - aspiration biopsy
TCT	Calcitonin - serum
TDA	Erythrocyte direct Coombs - whole blood
TeBG	Sex-Binding Globulin - SHBG - serum
Tegretol®	Carbamazepine - serum
Teicoplanin - serum	
Telzir®	Amprenavir - Serum
Telzir®	Fosamprenavir - Serum
Temazepam - Serum	
Temgesic®	Buprenorphine and metabolites - urine
Temgesic®	Buprenorphine - Serum
Tenofovir - plasma	
Teralithe	Lithium - serum
Teralithe - erythrocytes	Erythrocyte lithium - whole blood
Tercian®	Cyamemazine - Serum
TERF2IP	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
TERF2IP	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
TERT	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
TERT	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
Test d'Itano	Haemoglobin - electrophoresis - whole blood
Testicular - anti-antibodies	Anti-testicular antibodies - serum
Testing for steatorrhoea	Steatorrhoea - fat dosage - stool
Testosterone - man - serum	
Testosterone - woman/child - serum	
Testosterone bioavailability - serum	
Testosterone Bioavailable - woman/ child - serum	

Testosterone free - Serum	
Testosterone oestradiol-binding globulin	Sex-Binding Globulin - SHBG - serum
Testosterone-Binding Globulin	Sex-Binding Globulin - SHBG - serum
Tetanic	Tetanus - immunity test - IgG serology - serum
Tetanus	Tetanus - immunity test - IgG serology - serum
Tetanus - immunity test - IgG serology - serum	
Tetra Hydro aldosteron	Aldosterone - urine
Tetrachloroethylene - urine	
Tetrachloroethylene - whole blood	
Tetrachloromethane - whole blood	
Tetrahydrocannabinol	Cannabis - confirmation - urine
Tetrahydrocannabinol	Cannabis - hair
Tetrahydrocannabinol	Cannabis - urine
Tétrahydrocannabinol	Cannabis confirmation - blood test
Tetraiodothyronine	T4 - Thyroxine - urine
Tétralogie de Fallot	Exome Congenital heart defects
Tetrazepam - Serum	
Tg	Thyroglobulin - serum
TH50a	50% haemolysis time - alternative pathway complement - serum
Thalassemia	Haemoglobin - electrophoresis - whole blood
THC	Cannabis confirmation - blood test
THC-COOH	Cannabis confirmation - blood test
THC-COOH	Cannabis - confirmation - urine
THC-COOH	Cannabis - urine
Theophylline - serum	
Theralene®	Alimemazine - Serum
Thermal soluble protein	Bence Jones - screening
Thiamin	Vitamin B1 - Thiamin
Thienopyridine - resistance test	VASP - VAsodilatator Stimulated Phosphoprotein - whole blood
Thiocyanates - ion - Serum	
Thiocyanates - ion - urine	
Thiopental®	Nesdonal - Serum
Thiopurine S-methyltransferase - genotyping - whole blood	
Thiopurine S-méthyltransférase phenotyping	Thiopurine S-Méthyltransférase(TPMT) - activity
Thiopurine S-Méthyltransférase(TPMT) - activity	
Thioridazine - Serum	
Thrombin clotting time - plasma	
Thrombocystin	Serotonin - whole blood
Thrombotonin	Serotonin - whole blood
Thymidine kinase - Serum	
Thyrocalcitonin	Calcitonin - aspiration biopsy
Thyrocalcitonin	Calcitonin - serum
Thyroglobulin - anti-antibodies	Anti-thyroglobulin antibodies - serum
Thyroglobulin - serum	
Thyroid microsomal - anti-antibodies	Anti-thyroid peroxidase antibodies - serum
Thyroid peroxidase - anti-antibodies	Anti-thyroid peroxidase antibodies - serum
Thyroid-stimulating hormone - third generation	TSH - Thyroid-stimulating hormone - Third generation - serum
Thyroid-stimulating hormone - Third generation	TSH - Thyroid-stimulating hormone - Third generation - serum
Thyrotropin - ultrasensitive - third generation	TSH - Thyroid-stimulating hormone - Third generation - serum
Thyrotropin-releasing hormone - ultrasensitive third generation	TSH - Thyroid-stimulating hormone - Third generation - serum
Thyroxine	T4 - Thyroxine - urine
Thyroxine - anti-antibodies	Anti-T4 antibodies - thyroxine
Thyroxine-binding globulin - TBG - serum	
Ti	Titanium
Tianeptine - serum	
Tiapridal®	Tiapride - Serum
Tiapride - Serum	
TIBC	Iron - total binding capacity - serum

Tick Born Encephalitis	Tick-borne encephalitis - TBE - IgG/IgM serology - serum
Tick-born encephalitis - TBE	Tick-borne encephalitis - TBE - IgG/IgM serology - serum
Tick-borne encephalitis - TBE - IgG/IgM serology - serum	
TIF	Myosite Markers - serum
TIF 1	Myosite Markers - serum
Tildiem®	Diltiazem - serum
Tissue plasminogen activator - tPA - antigen - plasma	
Tissue Polypeptide Antigen	TPA - Tissue Polypeptide Antigen - serum
Titanium	
Titin - anti-antibodies	Anti-titin antibodies - serum
TIVICAY	Dolutegravir - Serum
TK	Thymidine kinase - Serum
TMAM127	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
TMC114	Darunavir - Serum
TMC125	Etravirine
TMEM127	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
TMEM127	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLCN, HNF1B,
TNF-alpha - Tumour Necrosis Factor - serum	
[To be translated]	17 OH progestérone - saliva
[To be translated]	ABO system immune antibodies - anti-A anti-B - screening and titration - serum
[To be translated]	activity - EDTA whole blood spot on Guthrie card
[To be translated]	Alkaline phosphatases - isoenzymes - serum
[To be translated]	Alpha-1 Antitrypsin - PI phenotype - serum
[To be translated]	Alpha-2 Antiplasmin - activity - plasma
[To be translated]	Anti-acetylcholine receptor antibodies - serum
[To be translated]	Anti-beta 2 glycoprotein 1 antibodies - B2GP1 - IgG - serum
[To be translated]	Anti-beta 2 glycoprotein 1 antibodies - B2GP1 - IgM - serum
[To be translated]	Antibiotic multi-resistant bacteria (MRB) - screening
[To be translated]	Anti deamidated gliadin peptides antibodies IgA - IgA - serum
[To be translated]	Anti deamidated gliadin peptides antibodies IgA - IgG - serum
[To be translated]	Anti-epidermal basement membrane and intracellular substance antibodies Typing
[To be translated]	Anti-glomerular basement membrane antibody - serum
[To be translated]	Anti-neuron antibodies - CSF
[To be translated]	Anti-neuron antibodies - serum
[To be translated]	Anti-NMDA receptor antibodies - serum
[To be translated]	Anti-ovarian antibodies - serum
[To be translated]	anti-PLA2R antibodies - serum
[To be translated]	Anti-PR3 antibodies - proteinase 3 - serum
[To be translated]	Anti ZNT8 antibodies - serum
[To be translated]	Aspergillosis - confirmation serology - serum
[To be translated]	Beta-D-Glucan antigen - screening
[To be translated]	Bile acids - serum
[To be translated]	Boron - urine
[To be translated]	Brucellosis - confirmation serology - serum
[To be translated]	Brucellosis - screening serology - serum
[To be translated]	Class I HLA - HLA-A and HLA-B genotyping - whole blood
[To be translated]	Cryoglobulins - identification - Serum
[To be translated]	Cystic fibrosis - CFTR gene - detection of 51 mutations - whole blood
[To be translated]	Dabigatran - Measurement of the Dabigatran anti lia activity - plasma
[To be translated]	DHT - Dihydrotestosterone - serum
[To be translated]	Electrolytes stool - stool
[To be translated]	Erythrocyte magnesium - whole blood
[To be translated]	Extended phenotype - whole blood
[To be translated]	Factor I - Fibrinogen - activity - plasma
[To be translated]	Fluoropyrimidines toxicity risk evaluation Genotyping of dihydropyrimidine
[To be translated]	Fungus - Yeasts - MIC: Minimum Inhibitory Concentration
[To be translated]	Fungus - Yeasts - screening
[To be translated]	Gilbert Syndrome - Screening for UGT1A1*28 (rs8175347) polymorphism

[To be translated]	Glutathione peroxidase - plasma
[To be translated]	Heparin induced thrombocytopenia - functional test
[To be translated]	Hepatitis C - Anti-viral resistance profile - serum
[To be translated]	hereditary spherocytosis - screening (eosin-5'-maleimide (EMA) staining) - whole blood
[To be translated]	HIV - Human Immunodeficiency Virus - viral load - CSF
[To be translated]	Immunophenotyping of malignant hemopaties
[To be translated]	Influenza A and B - IgG serology - serum
[To be translated]	Isoelectric focussing - CSF + serum
[To be translated]	Markers in progressive systemic sclerosis(Scleroderma) - serum
[To be translated]	Melatonin - urines
[To be translated]	Methylmalonic acid - urines
[To be translated]	Myelogram - Perls staining
[To be translated]	Norovirus - direct diagnosis - PCR - Stools
[To be translated]	Norovirus - screening - Stools
[To be translated]	Opiates - screening - urine
[To be translated]	Oxidised LDL - serum
[To be translated]	Pertussis - serology
[To be translated]	Platelet typing - whole blood
[To be translated]	Rheumatoid factors - serum
[To be translated]	Rickettsioses - R. conorii, R. typhi - serology - serum
[To be translated]	Rotavirus - rapid screening - Stools
[To be translated]	Salmonellosis - serology - serum
[To be translated]	scabies - screening
[To be translated]	Serum
[To be translated]	Sex-Binding Globulin - SHBG - serum
[To be translated]	Sulfatides - urine
[To be translated]	Syphilis - IgG confirmation serology - serum
[To be translated]	Syphilis - IgM confirmation serology - serum
[To be translated]	Targeted Sequencing - Postnatal
[To be translated]	Targeted Sequencing - Prenatal
[To be translated]	Thiopurine S-methyltransferase - genotyping - whole blood
[To be translated]	Tick-borne encephalitis - TBE - IgG/IgM serology - serum
[To be translated]	tyrosine kinase ABL mutation
[To be translated]	Uric acid
[To be translated]	Vedolizumab - serum
[To be translated]	Vitamin D - 25-hydroxyvitamin D - D2 + D3 - serum
[To be translated]	Yeasts - antifungal susceptibility testing - various specimen
[To be translated]	
Tobacco test	Cotinine - urine
Tobi®	Tobramycin - serum
Tobradax®	Tobramycin - serum
Tobramycin - serum	
Tobrex®	Tobramycin - serum
Tocilizumab - serum	
Tocopherol	Vitamin E - Tocopherol - Plasma
Tofranil®	Imipramine - Serum
Tolbutamide	Sulphonylureas - serum
Tolbutamide	Sulphonylureas - urine
Tolexine®	Doxycycline - Serum
Toluene - urine	
Toluene - whole blood	
Topalgic®	Tramadol - Serum
Topiramate - serum	
Total anti-HBc antibodies	Hepatitis B - total anti-HBc antibodies - serum
Total anti-HBe antibodies	Hepatitis B - anti-HBe antibodies - serum
Total anti-HBs antibodies - titration	Hepatitis B - anti-HBs antibodies - titration - serum
Total anti-HDV antibodies	Hepatitis Delta - total antibodies - serum
Total antibodies - HAV	Hepatitis A - IgG immunity screening - serum

total antibodies IgG + IgM	Strongyloidiasis - serology - serum
Total B lymphocytes	Immunophenotyping: Lymphocytes B - CD19 - whole blood
Total Bile acids	Bile acids - serum
Total CK	CPK - Creatine phosphokinase total - serum
Total creatine phosphokinase	CPK - Creatine phosphokinase total - serum
Total haemolytic complement	CH50 - Total haemolytic complement
Total human chorionic gonadotropin - bound and unbound fractions	hcG dimeric molecule (alpha + beta) - serum
Total human chorionic gonadotropin - bound and unbound fractions - liquid	hcG dimeric molecule (alpha + beta) - biological fluid
Total IgE - serum	
Total iron-binding capacity	Iron - total binding capacity - serum
Total prostate-specific antigen	PSA - Prostate-specific antigen total - aspiration biopsy
Total prostate-specific antigen	PSA - Prostate-specific antigen total - serum
Total protein S - antigen - plasma	
Total protein S antigen	Total protein S - antigen - plasma
Total protein S Antigen	Total protein S - antigen - plasma
Total PS Ag	Total protein S - antigen - plasma
Total T3 - Total triiodothyronine - serum	
Total T4 - Total thyroxine - serum	
Total testosterone	Testosterone - man - serum
Total testosterone	Testosterone - woman/child - serum
Total tetraiodothyronine	Total T4 - Total thyroxine - serum
Total thyroxine	Total T4 - Total thyroxine - serum
Total triiodothyronine	Total T3 - Total triiodothyronine - serum
toxicitY irinotecan ou Campto - UGT1A1	UGT1A1 : screening for UGT1A1*28(rs8175347) polymorphism - Involved in irinotecan
toxin	Clostridium difficile - Glutamate dehydrogenase (GDH) screening (+toxins)-stool
Toxocara canis	Toxocariasis - confirmation serology - serum
Toxocara canis	Toxocariasis - serology - serum
Toxocariasis - confirmation serology - serum	
Toxocariasis - serology - serum	
Toxoplasmosis - antibody avidity - IgG - serum	
Toxoplasmosis - IgG/IgM serology - serum	
TP53	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
TP53	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
TP53	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
TP53	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
TP53	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
TPA	TPA - Tissue Polypeptide Antigen - serum
TPA - Tissue Polypeptide Antigen - serum	
TPHA EIA	Syphilis - Treponemique test - screening serology - serum
TPHA ELISA	Syphilis - Treponemique test - screening serology - serum
TPMT	Thiopurine S-methyltransferase - genotyping - whole blood
TPMT	Thiopurine S-Méthyltransférase(TPMT) - activity
TPO - anti-antibodies	Anti-thyroid peroxidase antibodies - serum
TRAB	Anti-TSH receptor antibodies - serum
Tracrיום	Specific IgE : ammonium IV - curare - serum
TRAK	Anti-TSH receptor antibodies - serum
Tramadol - Serum	
Trans,trans-muconic acid	Trans-muconic acid - ttMA - urine
Trans-Chlordane	Pesticides - screening and/or dosage
Trans-Chlordane	Pesticides - screening and/or dosage - urine
Trans-muconic acid - ttMA - urine	
Transcortin	CBG - Cortisol-Binding Globulin - Transcortin - serum
Transferrin - serum	
Transferrin saturation percentage	Iron - saturation percentage - serum
Transposition of the Large Vessels	Exome Congenital heart defects
Transthyretin	Prealbumin - serum
Tranxene®	Clorazepate - Serum
Trazodone - Serum	

Trazolan®	Trazodone - Serum
trench fever	Bartonellosis - B. henselae - B. quintana - IgG serology - serum
Treponema	Syphilis - IgG confirmation serology - serum
Treponema	Syphilis - IgM confirmation serology - serum
Treponema	Syphilis - IgM serology - serum
Treponema	Syphilis - titration - CSF
Treponema	Syphilis - Treponemique test - screening serology - serum
Treponema pallidum	Genital ulcérations panel - direct diagnosis - PCR
Treponema pallidum	Syphilis - Treponemique test - screening serology - serum
Treponema pallidum - Detection via PCR	
treponematosi	Syphilis - IgG confirmation serology - serum
treponematosi	Syphilis - IgM confirmation serology - serum
treponematosi	Syphilis - IgM serology - serum
treponematosi	Syphilis - titration - CSF
treponematosi	Syphilis - Treponemique test - screening serology - serum
TRF	Transferrin - serum
Triazolam - serum	
Trichinosis	Trichinosis - confirmation serology - serum
Trichinosis	Trichinosis - IgG serology - serum
Trichinosis - confirmation serology - serum	
Trichinosis - IgG serology - serum	
Trichloracetate	Trichloroacetic acid + Trichloroethanol - TCE + TCA - urine
Trichloroacetic acid + Trichloroethanol - TCE + TCA - urine	
Trichloroethanol	Trichloroacetic acid + Trichloroethanol - TCE + TCA - urine
Trichloromethane - whole blood	
Tricyclic antidepressants	Antidepressants - screening - identification - dosage - urine
Tricyclic antidepressants	Antidepressants screening- identification - without dosage - Serum
Triflucan®	Fluconazole - Serum
Trihexyphenidyl - Serum	
Triiodothyronine - anti-antibodies	Anti-T3 antibodies - triiodothyronine
Trileptal®	10-Hydroxy-carbazepine - serum
TRIM21	Anti-ENA antibodies (SSA, SSB, Sm, Rnp, Jo1, Scl-70) - screening and titration - serum
Trimipramine - Serum	
Trisomy 21 - 1st trimester combined screening - serum	
Trisomy 21 - maternal serum markers - 2 parameters - serum	
Trisomy 21 - maternal serum markers - 3 parameters - serum	
Triumeq®	Abacavir - plasma
Triumeq®	Lamivudine - plasma
Trizivir®	Abacavir - plasma
tRNA synthetases - anti-antibodies	Myosite Markers - serum
Tropatepine®	Lepticur - serum
Trophatop adult - fx5/fx24/fx25	Specific IgE : food allergen testing - Trophatop® adult - fx5/fx24/fx25
Trophatop child	Specific IgE : food allergen testing - Trophatop® children - fx26/fx27/fx28
Tropheryma whipplei - direct diagnosis - PCR	
TRP	Phosphorus - tubular reabsorption rate
Truvada® (emtricitabine + tenofovir)	Emtricitabine - plasma
Truvada® (emtricitabine + tenofovir)	Tenofovir - plasma
Truxima®	Rituximab - serum
Trypanosoma	Trypanosoma cruzi - serology - serum
Trypanosoma	Trypanosoma gambiense - serology - CSF
Trypanosoma	Trypanosoma gambiense - serology - serum
Trypanosoma cruzi - confirmation - serum	
Trypanosoma cruzi - serology - serum	
Trypanosoma gambiense - screening - CSF	
Trypanosoma gambiense - serology - CSF	
Trypanosoma gambiense - serology - serum	
Trypanosomiasis - serology	Trypanosoma cruzi - serology - serum
Trypanosomiasis - serology	Trypanosoma gambiense - serology - CSF

Trypanosomiasis - serology	Trypanosoma gambiense - serology - serum
TSC1	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
TSC1	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
TSC1	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
TSC2	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
TSC2	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
TSC2	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
TSH - Thyroid-stimulating hormone - Third generation - serum	
TSH receptor - anti-antibodies	Anti-TSH receptor antibodies - serum
TSI	Anti-TSH receptor antibodies - serum
TSI : THYROIDE STIMULATIN IMMUNOGLOBULIN	Anti-TSH receptor antibodies - serum
TT	Thrombin clotting time - plasma
tt-MA	Trans-muconic acid - ttMA - urine
TTCA	2-thio-thiazolidine-4-carboxylic-acid - urine
TTG - IgA - anti-antibodies	Human tissue transglutaminase antibody - IgA - serum
tTG - IgG - anti-antibodies	Human tissue transglutaminase antibody - IgG - serum
TTN	Cardiogenetic exome
TTR	Prealbumin - serum
Tuberculosis - culture	Mycobacteria - culture
Tuberculosis - direct exam	Mycobacteria - direct examination
Tuberculosis - identification	Mycobacterium tuberculosis - identification
Tuberculosis - susceptibility testing	Mycobacteria - susceptibility testing
Tubular reabsorption rate of phosphorus	Phosphorus - tubular reabsorption rate
Tularemia - Francisella tularensis - serology - serum	
Tumeur	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
Tumeur	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
Tumor	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
Tumor	Oncogenetic panel digestive tract Targeted genes: APC, BMPR1A, CDH1, EPCAM,
Tumor	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
Tumor	Pancreatic oncogenetic panel Target genes : APC, ATM, BRCA1, BRCA2, CDK4,
Tumor	Panel Hereditary breast ovarian cancer and prostate Gènes ciblés: ATM, BRCA1,
Tumor	Skin oncogenetic panel Gènes ciblés : ACD, BAP1, CDK4, CDKN2A, FLCN, MC1R,
Tumor Necrosis Factor	TNF-alpha - Tumour Necrosis Factor - serum
TWAR	Chlamydia pneumoniae - IgG/IgM serology - serum
Type II collagen - anti-antibodies	Anti-type II collagen antibodies - serum
Type III procollagen - serum	
Typhoid - serology	Salmonellosis - serology - serum
Typing of the Lymphoproliferative Disorders	Immunophenotyping of malignant hemopaties
tyrosine kinase ABL mutation	
Tyrosine phosphatase - anti-antibodies	Anti-tyrosine phosphatase antibodies - IA-2 - serum
Tysabri®	Anti-Natalizumab antibodies - serum
Ubiquinone	Coenzyme Q10 - CoQ10 - Serum
UGT1A1 : screening for UGT1A1*28(rs8175347) polymorphism - Involved in irinotecan	
Ultra sensitive thyroglobulin	Thyroglobulin - serum
universal PCR	Detection and identification bacterial DNA by NGS sequencing
Upshaw-Schulman syndrome	Factor Willebrand protease activity - ADAMTS 13
Uracil level plasma	Uracile - dosage(search a risk of toxicity to fluoropyrimidines)
Uracile - dosage(search a risk of toxicity to fluoropyrimidines)	
Urates	Uric acid - serum
Uraturia	Uric acid
Urbanyl®	Clobazam - Serum
Ureaplasma urealyticum	Urogenital mycoplasma - culture
Ureaplasma urealyticum	Urogenital mycoplasma - serology - serum
Uric acid	
Uric acid - serum	
Uricacidemia	Uric acid - serum
Uricaciduria	Uric acid
urinary parasite	Schistosomiasis - direct diagnosis - PCR

Urinary stone - morphologic and infrared analysis	
Urine proteins immunoelectrophoresis	Bence Jones - screening
Urogenital mycoplasma - culture	
Urogenital mycoplasma - serology - serum	
Uroporphyrins	Porphyrins - stool
Uroporphyrins	Porphyrins - Urines
Ursodeoxycholic acid	Bile acids - chromatography - serum
Ursodeoxycholic acid	Bile acids - serum
Ustekinumab - serum	
V Leiden mutation	Factor V Leiden - p.Arg506Gln mutation - whole blood
vaccination	Diphtheria - immunity test - IgG serology - serum
vaccination	Haemophilus influenzae B - IgG serology - serum
vaccination	Tetanus - immunity test - IgG serology - serum
Vaginal sampling and self-sampling	HPV test for vaginal sampling or self-sampling
Valganciclovir	Ganciclovir - plasma
Valium®	Diazepam + desmethyldiazepam - Serum
Valproic acid - serum	
Valpromide	Valproic acid - serum
Vancocin®	Vancomycin - serum
Vancomycin - serum	
Vancomycin-resistant enterococci (VRE)	Antibiotic multi-resistant bacteria (MRB) - screening
Vanilmandelic acid - Urine	
Vanilylmandelic acid	Vanilmandelic acid - Urine
Vanylmandelic acid	Vanilmandelic acid - Urine
Variant	COVID-19 - (SARS-CoV-2) - screening for S gene By RT-PCR
Varicella zoster	Vesicular eruptions panel - direct diagnosis - PCR
Varicella zoster virus - direct diagnosis - PCR	
Varicella zoster virus - direct diagnosis - PCR - amniotic fluid	
Varicella zoster virus - IgG serology - serum	
Varicella zoster virus - IgM Serology - serum	
varicella-zoster virus	Varicella zoster virus - direct diagnosis - PCR - amniotic fluid
Vascular Endothelial Growth Factor (VEGF) - serum	
Vasoactive intestinal peptide	VIP - Vasoactive Intestinal Polypeptide - plasma
VAsodilator Stimulated Phosphoprotein	VASP - VAsodilator Stimulated Phosphoprotein - whole blood
Vasopressin	ADH - Antidiuretic hormone
Vasopressin	ADH - Antidiuretic hormone - urine
VASP - VAsodilator Stimulated Phosphoprotein - whole blood	
VCA - IgA serology	Epstein-Barr Virus - EBV - VCA IgA serology - serum
VCA - IgG serology	Epstein-Barr Virus - EBV - VCA IgG, EBNA, IgG serology - serum
VCA - IgM serology	Epstein-Barr Virus - EBV - VCA IgM serology - serum
VCA - VCA IgG/IgM serology	Epstein-Barr Virus - EBV - VCA IgG/IgM and EBNA IgG serology - serum
VDRL	Syphilis - titration - CSF
VDRL	Syphilis - VDRL or quantitative RPR
Vedolizumab - serum	
Veggie Check	Juvenalis - Panel - VeggieCheck
Veneral Diseases Research Laboratory	Syphilis - VDRL or quantitative RPR
Venlafaxine - serum	
Verapamil - Serum	
Veratran®	Clotiazepam - serum
Vesicular eruptions panel - direct diagnosis - PCR	
VFEND	Voriconazole - Serum
VHE	Hepatitis E - direct diagnosis - PCR
VHL	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
VHL	Neuroendocrine Oncogenetics Panel Target genes : DLST, DNMT3A, EGLN1, EGLN2,
VHL	Oncogenetic panel Lung Target genes : ATM, BAP1, BRCA1, BRCA2, CDKN2A,
VHL	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
Vibramycine®	Doxycycline - Serum
Vibraveineuse®	Doxycycline - Serum

Vibrio cholerae	Gastrointestinal Panel - direct diagnosis - PCR - Stools
Vibrio (V. parahaemolyticus/V. vulnificus/ V. cholerae)	Gastrointestinal Panel - direct diagnosis - PCR - Stools
Victan®	Ethyl loflazepate
Victrelis®	Boceprevir - plasma
Vigabatrin - Serum	
VIH	HIV - Human Immunodeficiency Virus - viral load - CSF
VIH 1	HIV - Human Immunodeficiency Virus - viral load - CSF
VIII R (related)-Ag	Von Willebrand factor - plasma
Viloxazine - Serum	
VIP - Vasoactive Intestinal Polypeptide - plasma	
viral meningoencephalitis panel - direct diagnosis - PCR - CSF	
Viramune®	Nevirapine
VIREMIE HBV	Hepatitis B - viral load - PCR
VIREMIE HCV	Hepatitis C - viral load - quantitative PCR
VIREMIE HIV	HIV1 - Human Immunodeficiency Virus - viral load - Plasma
Virus FibroMeter	FibroMeter - .
Visceral larva migrans - serology	Toxocariasis - confirmation serology - serum
Visceral larva migrans - serology	Toxocariasis - serology - serum
Vitamin A - Retinol - Plasma	
Vitamin B1 - Thiamin	
Vitamin B12 - serum	
Vitamin B2 - Riboflavin	
Vitamin B3	Vitamin PP - Niacin
Vitamin B6 - Pyridoxal phosphate	
Vitamin B8 or H - Biotin	
Vitamin B9	Folic acid - serum
Vitamin C - Ascorbic acid	
Vitamin D - 1,25-dihydroxyvitamin D - serum	
Vitamin D - 25-hydroxyvitamin D - D2 + D3 - serum	
Vitamin D3 1,25-hydroxy	Vitamin D - 1,25-dihydroxyvitamin D - serum
Vitamin D3 25-hydroxy	Vitamin D - 25-hydroxyvitamin D - D2 + D3 - serum
Vitamin E - Tocopherol - Plasma	
Vitamin H	Vitamin B8 or H - Biotin
Vitamin K1 - Phylloquinone	
Vitamin PP - Niacin	
VITT	Anti-PF4 antibodies - heparin - plasma
Vivalan®	Viloxazine - Serum
VLM - serology	Toxocariasis - confirmation serology - serum
VLM - serology	Toxocariasis - serology - serum
VMA	Vanilmandelic acid - Urine
von Willebrand - factor	Von Willebrand factor - plasma
Von Willebrand antigen factor	Von Willebrand factor - antigen - plasma
von Willebrand factor	Von Willebrand factor - antigen - plasma
Von Willebrand factor	Von Willebrand factor - plasma
Von Willebrand factor - antigen - plasma	
Von Willebrand factor - plasma	
Voriconazole - Serum	
Vortioxétine - Serum	
Votubia	Everolimus
VRS	Respiratory Infection Panel - direct diagnosis - PCR
VWF:Ag	Von Willebrand factor - antigen - plasma
vWFCP	Factor Willebrand protease activity - ADAMTS 13
VWF:Rco	Von Willebrand factor - plasma
VZV	Varicella zoster virus - direct diagnosis - PCR - amniotic fluid
VZV	Vesicular eruptions panel - direct diagnosis - PCR
VZV	viral meningoencephalitis panel - direct diagnosis - PCR - CSF
VZV - IgM serology	Varicella zoster virus - IgM Serology - serum
VZV - immunity test - IgG antibody	Varicella zoster virus - IgG serology - serum

VZV - viral DNA - PCR	Varicella zoster virus - direct diagnosis - PCR
Water - free - clearance	
West Nile serology	West Nile virus - IgG/IgM serology - serum
West Nile virus	West Nile virus - IgG/IgM serology - serum
West Nile virus - IgG/IgM serology - serum	
Western blot HTLV	HTLV I/II - confirmation serology - serum
Whipple - disease	Tropheryma whipplei - direct diagnosis - PCR
Whipple's disease	Tropheryma whipplei - direct diagnosis - PCR
WHOLE EXOME SEQUENCING	Prenatal exome
Whooping cough	Respiratory Infection Panel - direct diagnosis - PCR
Whooping cough - Bordetella pertussis and parapertussis - direct diagnosis - PCR	
Widal-Felix - test	Salmonellosis - serology - serum
Willebrand factor cleaving protease	Factor Willebrand protease activity - ADAMTS 13
Willebrand factor protease	Factor Willebrand protease activity - ADAMTS 13
Wilms	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
WNV	West Nile virus - IgG/IgM serology - serum
Wright and Rose-Bengal	Brucellosis - screening serology - serum
WT1	Extended oncogenetic panel sein, ovaire, prostate, tube digestif, pancréas, rein, neuro-
WT1	Renal oncogenetic panel Gènes ciblés: BAP1, BRK1, CDKN2B, FH, FLNC, HNF1B,
Xanax®	Alprazolam - Serum
Xarelto®	Rivaroxaban - Anti Xa activity measurement - plasma
Xepion	Risperidone
Xeroquel	Quetiapine
Xipamide	Diuretics - screening and dosage - urine
Xylocaine®	Lidocaine - Serum
Xylose - serum	
Y chromosome - (regions AZFs, AZFb, AZFc) - whole blood	
Yeasts - antifungal susceptibility testing - various specimen	
Yellow Fever - immunity test - serum	
Yersinia enterocolitica	Gastrointestinal Panel - direct diagnosis - PCR - Stools
YFV	Yellow Fever - immunity test - serum
Yo - anti-antibodies	Anti-neuron antibodies - serum
Zarontin®	Ethosuximide - serum
Zeaxanthin	Carotenoids
Zebinix	10-Hydroxy-carbazepine - serum
Zerit®	Stavudine - plasma
Ziagen®	Abacavir - plasma
Zidovudine - plasma	
Zika	Zika - serology - serum
Zika - serology - serum	
Zinc	
Zinc - seminal plasma	
Zinc - urines	
Zincaemia	Zinc
Zn	Zinc
Zn	Zinc - seminal plasma
Zn	Zinc - urines
Zolof®	Sertraline - serum
Zolpidem - Serum	
Zonagran	Zonisamide - Serum
Zonisamide - Serum	
Zovirax®	Aciclovir - plasma
Zuclopenthixol - Serum	
Zyprexa®	Olanzapine



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