



Juvenalis
WELLNESS TESTING
BY EUROFINS BIOMNIS

New
edition



www.juvenalis.com



Biomnis

Preventative health testing is a modern medical approach to identify possible alterations in the body's biological and physiological mechanisms over time in order to monitor these and ultimately contribute to maintaining an optimum state of health and personal well-being.

***Juvenalis** and its clinical expert provide assays of relevant biological parameters, selected according to specific and personalised criteria.*



MiniCheck & BasicCheck



Oxidative stress, micronutritional deficiencies, low-grade inflammation, metabolic or hormonal imbalances... the alteration of a patient's basic state of health can be underpinned by various mechanisms.

MiniCheck and **BasicCheck** are two first-line assessments in preventative health screening.

MiniCheck analyses 7 fundamentals biomarkers, in wellness testing. **BasicCheck** offers a more specific analysis with 9 biomarkers to give you an additional overview of the antioxidant status and balance of thyroid, digestive or cardiometabolic markers.

All the biomarkers in these panels allow an early detection of possible harmful processes involved in pathologies related to ageing..

General health

MiniCheck

CRP Ultrasensitive	Selenium
Homocysteine	Oxidised LDL
Vitamin D	Coenzyme Q10
Zinc	

Results within 4 weeks

BasicCheck

CRP Ultrasensitive	Vitamin A
Uric acid	Vitamin E
TSH	Copper
Free T3	Zinc
Glycated haemoglobin	Selenium
Ferritin	Oxidised LDL
Homocysteine	Casein IgG
Vitamin D	Coenzyme Q10

Results within 4 weeks

Erythrocyte fatty acids

Profile of essential fatty acids

Results within 4 weeks



Ageing well

AgeCheck Woman

Ageing affects women in a variety of ways – physically, physiologically and biologically – so it is important to detect any warning signs as soon as possible so that the underlying issues can be optimally managed. The most relevant biomarkers are nutritional and metabolic. The assay of these markers, through the AgeCheck Woman analysis, is suitable for any patient wishing to maintain her biological equilibrium, especially in order to **prevent premature ageing**.

CRP Ultrasensitive

Ferritin

Candida serology

IGF-1

DHEAS

Free T3

Vitamin D

Coenzyme Q10

Homocysteine

Results within 3 weeks

AgeCheck Man

The ageing process in men causes hormonal and metabolic changes, which are key indicators in terms of **preventing harmful effects**. Cardiovascular risk markers play an important role here, combined with those relevant to ensure an optimum macro- and micro-nutritional balance.

CRP Ultrasensitive

Bioavailable testosterone

Pregnenolone sulphate

Free T3

Lipoprotein(a)

Vitamin D

Homocysteine

Coenzyme Q10

Results within 3 weeks



Oxidative stress

OxyCheck

OxyCheck estimates the oxidative stress in a patient by taking the results obtained from 9 markers, selected for their relevance, and using a specific index, to calculate the oxidative state. Much more than just a simple assessment of the body's defences, this index faithfully reflects the oxidative **stress levels of a patient at a specific moment in time**.

CRP ultrasensitive

Zinc

Selenium

Copper

Glutathione peroxidase (GPX)

Glutathione reductase

Uric acid

Plasma thiols

Oxidised LDL

Oxidative stress index

Results within 4 weeks



Fertility and endometriosis

FertiCheck Woman

In both women and men, the (micro)nutrients of a varied diet are one of the key factors in **optimising fertility**. A healthy diet is also essential for the healthy development of the unborn child. The FertiCheck panel is a preliminary exploration of the future mother's biological status and gives insight on how to improve it in order to increase the chances of pregnancy.

CRP Ultrasensitive	Vitamin A
Magnesium	Vitamin D
Zinc	Homocysteine
Selenium	Coenzyme Q10
Copper	Ferritin
Vitamin B9 (erythrocyte)	Free T3
Vitamin E	Erythrocyte fatty acids
Results within 4 weeks	

FertiCheck Man

In men and in women alike, (micro)nutrients of a varied diet are key factors in **optimising fertility**. The FertiCheck panel can help contribute to establish optimum conditions for the creation of high quality sperm and then optimise fertility.

CRP Ultrasensitive	Vitamin A
Magnesium	Vitamin E
Zinc	Homocysteine
Selenium	Coenzyme Q10
Copper	Erythrocyte fatty acids
Results within 4 weeks	

MyEndoCheck NEW

MyEndoCheck is a check-up specifically designed to **monitor and provide micronutritional support for women suffering from endometriosis**, but can also be used for **patients with painful periods or PCOS**. The parameters included in the assessment correspond to possible areas of improvement, that are likely to help women suffering from endometriosis to take better care of themselves in order to minimise their symptoms and the circumstances in which they occur. The various results obtained will enable the patient's practitioner to suggest **micronutritional** corrections: hormonal rebalancing, correction of deficiencies or adapted, monitored supplementation.

CRP ultrasensitive	HOMA
Erythrocyte fatty acids	Œstradiol
Vitamin D	Progesterone
Oxidised LDL	Homocysteine
Urinary free cortisol	Iodine
Results within 4 weeks	



Gut and diet



DigestCheck

The gut is sometimes referred to as the body's 2nd brain and plays a major part in maintaining our health. The balance between gut mucosa, flora and our immune system helps to compensate for **the physiological or pathological variations caused by infection, inflammation or hyperpermeability**. This balance also plays a role in a variety of other chronic inflammatory or auto-immune diseases, regardless of whether or not there are digestive symptoms. DigestCheck will guide the specialist in selecting any additional examinations.

Physical/chemical examination	Faecal secretory IgA
Faecal beta-2 defensin	Faecal zonulin
Calprotectin	Faecal alpha-1 antitrypsin
Blood in stool	
Results within 3 weeks	

Microbiote intestinal

The intestinal microbiota is considered to be an organ in its own right, performing functions that are essential to our well-being. Intestinal bacteria play an important role in digestive, metabolic, neurological and immune system functions. Dysbiosis, which is an imbalance in the intestinal flora, may be implicated by depression, obesity, chronic inflammatory diseases. **The results can be used to determine the composition of the intestinal flora and to take steps to adapt lifestyle habits.**

This test is intended for people aged 15 years and above.

Results within 6 weeks

Food intolerance tests - Nutritol™

Food intolerances (or hypersensitivity) may be linked to low-level chronic inflammation within the digestive system or elsewhere as a result of the production of specific types of IgG caused by certain types of food linked to changes of the intestinal permeability. **Eliminating these foods from your diet could help reduce the inflammation and lead to an improvement or even a complete disappearance of symptoms and their associated pathologies.**

List of foods tested for each assessment :



Number of foods tested

25 food items
50 foods
50 VEGAN foods
100 foods
287 foods

Results within 2 weeks

VeggieCheck

Vegetarian and vegan diets are more and more popular among an increasingly environment and health conscious public. Associated dietary deficiencies can generally be easily managed if they are prevented by the appropriate supplements. Regular monitoring of (micro)nutritional status, as provided by VeggieCheck, means that people on **such diets can enjoy them safely and healthily.**

Albumin	Vitamin B9 (erythrocyte)
Ferritin	Vitamin B12
Zinc	Homocysteine
Vitamin A	Erythrocyte fatty acids
Vitamin D	Iodine
Results within 4 week	

Better living

ImmuCheck NEW

ImmuCheck is a panel specifically designed **to explore and optimise immune function**. The parameters have been chosen based on their relevance, each of them representing a fundamental element necessary for the proper overall functioning of the immune system. The results obtained will make it possible to correct the deficiencies and minimise the imbalances revealed by their measurement and analysis in a personalised format.

Vitamine D	Copper
Vitamine A	Sélénium
Vitamine E	Iodine
Vitamine B12	Ferritine
CRP ultrasensitive	Erythrocyte fatty acids
Zinc	
Results within 4 weeks	



Vitamins

Vitamins are essential for the growth, equilibrium and health of the body, both physically and mentally. Vitamin deficiencies can lead to various disorders, sometimes without obvious symptoms. The Vitamins panel tests the most common **vitamins to identify potential deficiencies**.

Vitamin A	Vitamin B9 (erythrocyte)
Vitamin B1	Vitamin B12
Vitamin B2	Vitamin C
Vitamin B3	Vitamin D
Vitamin B6	
Results within 3 weeks	

SopioCheck NEW

SopioCheck is a panel designed on the basis of relevant publications establishing a link between certain micronutrients and the quantity and quality of sleep. By correcting imbalances and compensating for deficiencies, **an inventory of these elements can help patients to improve their restorative sleep**.

Coenzyme Q10	Homocysteine
CRP ultrasensitive	Zinc
CAR (Cortisol Awakening Response)	Erythrocyte fatty acids
Ferritine	Iodine
Vitamine D	Selenium
Results within 4 weeks	



Minerals

Trace elements are essential good health. Deficiencies may be due to **insufficient intake or excessive losses (by excretion, for example) and may result in significant metabolic disturbances**. This analysis quantifies the most important trace elements.

Zinc	Copper
Selenium	Iodine
Magnesium	Iron
Results within 2 week	

An apple a day keeps the doctor away !

Even if there is still some truth in this adage, it takes more than an apple to keep us in optimum health these days. We now have to constantly cope with a number of negative factors, such as pollution, stress, imbalanced nutrition, which are further aggravated by physiological changes related to ageing (hormonal imbalances, reduced immunological defences, slower metabolism) contributing to natural or ultimately intracellular ageing processes.

We now have to take responsibility for our own health to ensure that we age well with the help of preventative health and wellness assessments in order to maintain the core balances vital to our health and well-being.



4P: The future of clinical pathology testing

PREVENTIVE,

because it permits early diagnosis of imbalances, deficiencies or excesses before symptoms even appear.

PREDICTIVE, PERSONALISED,

because it is able to determine the probability of pathologies occurrence.

because it is a holistic patient-centred approach, taking into account the patient's personal, biological, medical and environmental history.

PARTICIPATIVE,

because the patient is placed at the centre of the therapeutic approach and is co-determining the diagnosis, prevention and treatment options

To find Juvenalis partner laboratories,
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