



5-FU ODPM TOX TM EVALUATION OF THE RISK OF TOXICITY TO FLUOROPYRIMIDINES BY A MULTI-PARAMETRIC APPROACH

The blood must be drawn before any chemotherapy or at least 1 week after the last course of treatment.

Step 1



Genotyping of *DPYD* gene*

- Draw 1 x 4 ml Lithium Heparin Whole Blood (without gel separator) (**green cap**)
- Store the clearly identified tube of whole blood at $5^{\circ}\text{C} \pm 3^{\circ}\text{C}$
- Send this tube to Biomnis at $5^{\circ}\text{C} \pm 3^{\circ}\text{C}$

Step 2



Phenotyping of DPD activity using uracil and dihydrouracil levels*

- Draw 2 x 4 ml Lithium Heparin Whole Blood (without gel separator) (**green cap**) and process the samples **within a strict maximum of 1 hour of drawing**:
 - Centrifuge the tubes at 2000–2200 g for 10 minutes
Or if not available, use a ventilated centrifuge
 - Decant the plasma into 2 clearly identified polypropylene tubes
 - Freeze the 2 tubes of plasma immediately to $< -18^{\circ}\text{C}$
- Send the 2 tubes of frozen plasma to Eurofins Biomnis at $< -18^{\circ}\text{C}$

NB : As the pre-analytical conditions are different for these two analyses, yellow “**MIXED TEMP**” labels should be attached directly to the transport bags.

* Associated tests that must be performed simultaneously.

**MIXED
TEMP**

5-FU ODPM PROTOCOL TM PK GUIDED DOSE ADJUSTMENT OF 5-FLUOROURACIL



NB : For 46 hour infusions, please draw between the 16th and 43rd hour.

- Draw 2 x 4 ml tubes with lithium-heparin without gel separator (**green cap**) and process the samples **within a strict maximum of 1 hour of drawing**:
 - Centrifuge the tubes at 2000–2200 g for 10 minutes
 - Decant the plasma into 2 clearly identified polypropylene tubes
 - Freeze the 2 tubes of plasma immediately to $< -18^{\circ}\text{C}$
- Send the 2 tubes of frozen plasma to Eurofins Biomnis $< -18^{\circ}\text{C}$