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| **Analysis :**  | Cytogenetic radiosensitivity assay |
| **Institution :** | UZ Gent - UGent |
| **Supervisor :**  | Pr. Dr. Carolien Bonroy **(1)**, Pr. Dr. Anne Vral **(2)**, Pr. Dr. Ans Baeyens **(3)****(1)** Carolien.Bonroy@uzgent.be ; **(2)** Anne.vral@Ugent.be ; **(3)** Ans.Baeyens@UGent.be  |
| **Method :** | Radiation-induced in vitro G0-micronucleus assay (Radiation-induced MN-assay) |
| **Minimum amount of sample (1) and instructions for the collection (2), storage (3) and transport of the sample (4) :**  |
| * 1 : > 4 mL of whole blood ; tubes with lithium heparin.
* 2 : Only by appointment on Monday or Tuesday (possibly on Friday). To this aim, please

 contact the +32 9 332 51 35 or send an email to radiobiologie@ugent.be (email only  outside office hours).* 3 : At room temperature, the sample has to be delivered to the laboratory within the 12 hours

 after collection.* 4 : At room temperature, protected from light.
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| **Denied requests :** |
| * Incomplete or missing request form.
* Samples delivered after poor transport / storage conditions (broken or open tubes, degraded sample, etc.).
* Duplicate samples (multiple samples collected the same day for the same patient).
* The request for the analysis doesn’t correspond to the analysis(es) performed by the reference center.
* Contraindication to performing the analysis: post-transplant patients, radiotherapy/chemotherapy at the time of sample collection.
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| **Turnaround time (necessary time to perform the analysis and to send the validated results to the prescriber) :** |
| * Average turnaround time : 30 days
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