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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](mailto:Carolien.Bonroy@uzgent.be) ; **(2)** [Anne.vral@Ugent.be](mailto:Anne.vral@Ugent.be) ;  **(3)** [Ans.Baeyens@UGent.be](mailto: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](mailto: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. | |
| **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. | |
| **Turnaround time (necessary time to perform the analysis and to send the validated results to the prescriber) :** | |
| * Average turnaround time : 30 days | |