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| **Analysis :** | Analysis of the deformability of erythrocytes using ektacytometry and/or separation of red blood cells membrane proteins by SDS-PAGE |
| **Institution :** | Laboratoire Hospitalier Universitaire de Bruxelles - Université Libre de Bruxelles  (LHUB-ULB) |
| **Supervisor :** | Pr. Dr. Béatrice Gulbis **(1)** ; Pr. Dr. Frédéric Cotton **(2)** ; Dr. Anne-Sophie Adam **(3)**  **(1)** [beatrice.gulbis@lhub-ulb.be](mailto:beatrice.gulbis@lhub-ulb.be) ; **(2)**[frederic.cotton@lhub-ulb.be](mailto:frederic.cotton@lhub-ulb.be) ;   1. **(3)** [annesophie.adam@lhub-ulb.be](mailto:annesophie.adam@lhub-ulb.be) |
| **Method :** | Ektacytometry and SDS-PAGE (protein separation using a continuous buffer system & protein bands quantification by densitometry) |
| **Minimum amount of sample (1) and instructions for the collection (2), storage (3) and transport of the sample (4) :** | |
| * 1 : 2 EDTA samples of 5 mL (newborn 2 x 2 mL). * 2 : Sampling from Monday to Thursday. * 3 : Storage max 1 day at 4°C before sending. * 4 : Send at 4°C. | |
| **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. | |
| **Turnaround time (necessary time to perform the analysis and to send the validated results to the prescriber) :** | |
| * Average turnaround time : Ektacytometry: 1 to 4 working days ; SDS-PAGE: 1 to 2 months * Adaptation of the time required to carry out the test in case of emergency (cf. checkbox at the end of the analysis request form). | |