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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 ; **(2)**frederic.cotton@lhub-ulb.be ; 1. **(3)** annesophie.adam@lhub-ulb.be
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| **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.
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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.
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| **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).
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