

NON-INVASIVE PRENATAL TEST: GUIDELINES FOR BLOOD SAMPLING

In order to perform NIPT, the use of special blood collection tubes is vital.

These blood tubes contain a reagent optimized to limit maternal cell lysis and consequently limit contamination of the sample by maternal cellular DNA.

From your next order of blood tubes for NIPT analysis onwards, you will receive the 'Cell3™ Preserver tubes' from **Nonacus**. A dark discoloration of the storage liquid does not affect the stability or efficiency of the tubes. The first lot has a purple cap; this will be changed to dark blue from the next lot onwards in order to avoid confusion with EDTA tubes.

Please note that only the following blood collection tubes are validated for NIPT analysis in UZ Leuven:

| | cfDNA Collection tube | Cell3™ Preserver tube | PAXgene Blood cfDNA Tube | S-Monovette® DNA Exact | Cell-free DNA BCT® |
|---|-----------------------|-----------------------|--------------------------|-----------------------------------|--------------------|
| Company | Roche Diagnostics | Nonacus | BD Biosciences | Sarstedt | Streck (USA) |
| Cap color | White | Purple or dark blue | Transparent | Pink | Camouflage pattern |
| Material | Plastic | Plastic | Plastic | Plastic | Glass |
| Volume of maternal blood | 8,5 mL | 9 mL | 10 mL | 9,2 mL | 10 mL |
| Temperature while awaiting transport | Room temperature | Room temperature | Room temperature | Room temperature | 4°C (refrigerator) |
| Temperature during transport | Room temperature | Room temperature | Room temperature | Room temperature | Room temperature |
| Delivery in the laboratory of UZ Leuven | Within 72 hours | Within 72 hours | Within 72 hours | Within 72 heures, with screw-cap* | Within 72 hours |



* Sarstedt tubes: before shipment, please replace the standard cap with the supplied screw cap.

Please don't hesitate to contact us in case you have further questions: cme.nipt@uzleuven.be

More information about NIPT can be found on our website: www.uzleuven.be/nipt