

SOP: Collection of blood and urine

Version	Author(s)	Date	Changes	Approved by
1.0	Gorm Greisen Wim van Oeveren	29.05.12	Initial Version	Gorm Greisen
1.1	Berit Grevstad	17.08.12	Minor changes	Gorm Greisen
1.2	Berit Grevstad	16.11.12	Minor changes	Gorm Greisen

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1.0 Blood samples

Only collect blood from an indwelling arterial or venous line. Do it 6 hours (± 1 hour) after birth and again 64 hours (± 1 hour) after birth

1.1 Collecting the blood samples

- Draw 1 ml blood in a dry syringe, if not allowed to draw 1ml draw as much as allowed, but never less than 0,5 ml
- Transfer the blood into the 2 ml test tube with heparin. Tubes with a gel to aid separation of plasma may be used, and must be used if less than 1 ml is drawn.
- store on ice or at 4°C (± 2 °C)

1.2 Centrifuging, marking and storing the blood/serum

As soon as possible, no later than the next morning:

- Centrifuge for 12 min at 1200xg (if using gel separator tubes, follow the manufacturers instructions leaflet)
- Find the box with SafeBoosC test tubes.
- Transfer as much plasma as possible with a pipette into the screw cap tube
- Find the labels with infant's study number on the set
- Label the screw cap tube and mark '1' for 6 hour or '2' for 64 hour sample. Use a waterproof marker
- Store at -20°C (± 2 °C) freezer for at maximum of one week
- Store at -80°C ± 10 °C until shipment at the end of the study

2.0 Urine samples

Only collect urine from an indwelling urinary catheter or non-invasively by a routine used in the NICU. Do it 6 hours (± 1 hour) after birth and again 64 hours (± 1 hour) after birth

2.1 Marking and storing the urine

- Find the box with SafeBoosC test tubes.
- Transfer 1 ml urine into the screw cap tube
- Find the labels with infant's study number on the set
- Label the screw cap tube and mark '1' for 6 hour or '2' for 64 hour sample and 'U' for urine. Use a waterproof marker
- Store at -20°C ($\pm 2^{\circ}\text{C}$) for at maximum of one week
- Store at -80°C ($\pm 10^{\circ}\text{C}$) until shipment at the end of the study