Newborn Capillary Blood Collection Methods Using the BD Quikheel™ Lancet

Performing a Heel Stick

NCCLS M4-A4 Recommended Guidelines:
1. Warming the heel increases arterial blood flow to the site up to seven-fold without burning the skin.
2. Temperature of warming device should be no higher than 42ºC.
3. Each capillary tube should collect approximately 75-100mL.

Filling BD Microtainer™ Tubes with BD Microgard™ Closure

1. Obtain necessary supplies:
   - Alcohol pad
   - BD Microgard Closure
   - BD Microtainer Tubes with SST-

   Lithium Heparin

   SST-10X

   Serum

   SST-5X

   Glucose

   10X

   Serum

2. Place the blade slot area securely against the heel.
3. Gently wipe away the first drop of blood with sterile gauze or cotton ball.
4. Apply gentle pressure with the thumb and ease intermittently as drops of blood form.
5. Be sure to apply pressure such that the incision is occluded.
6. After blood has been collected from the heel of the newborn, the foot should be elevated above the body.
7. A sterile gauze pad or cotton swab should be pressed against the puncture site until the bleeding stops.
8. It is not advisable to apply adhesive bandages over skin puncture sites on newborns.
9. Mix all Microtainer Tubes with Microgard Closures with the following inversions.

EDTA - 10X
PSF - 10X
Glucone - 10X
Serum - 0X

BD Vacutainer™ Technical Services: 1.800.631.0174
BD Customer Service: 1.888.237.2762

Handle all biological samples and medical “sharp” devices (scissors, needles and transfer straws) according to the policies and procedures of your facility. Obtain appropriate medical attention in the event of any exposure to biologic samples (the example, through a puncture injury) since they may transmit hepatitis, HIV (AIDS), or other infectious diseases. BD does not recommend rehandling used needles, but the policies and procedures of your facility may differ and must always be followed. Discard any medical “sharps” in biohazard containers approved for their disposal.

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