

**SAINT LOUIS CORD BLOOD BANK NURSING INSTRUCTIONS FOR CORD BLOOD COLLECTIONS USING THE PALL STERILE CORD BLOOD COLLECTION UNIT FOR VAGINAL AND CESAREAN DELIVERIES**

Note: Contents inside overwrap pouch, within the foil envelope, are sterile and acceptable for use in sterile field if pouch is unopened and undamaged.

**UPON ARRIVAL TO LABOR AND DELIVERY:**

1. Confirm the patient identity and that she desires to participate in cord blood donation.
2. Have the patient sign the enclosed informed consent, **witness the signature on page 4, and place in the collection box. Provide the patient with the additional copy of this consent document included.**
3. When starting the mother's IV, please obtain 3 tubes of blood for our testing; (red top tube, white top tube and purple top tube). Fill all tubes completely. **Label with a maternal label with date and time of collection, and the initials of the person who collected the specimen.** Place the samples in the biohazard bag.
4. Note on the L&D data form, CL.03B.XX, if the patient received more than 2,000 ml of IV fluids within 1 hour prior to the specimen collection.
5. Have mother complete a medical history questionnaire if not previously done.
6. Have the following supplies available for the collection
  - a. cord blood collection bag
  - b. ChloroPrep
7. Inspect the collection bag. Do not use if the bag has expired or the fluid appears cloudy.
8. If you have any questions about the use of the kit, contact the St. Louis Cord Blood Bank (see above).

**AT DELIVERY:**

1. Obstetrician will deliver infant per standard practice keeping the cord clamped after delivery.
2. Obstetrician will wipe cord with ChloroPrep solution using a back-and-forth scrub and allow to dry.
3. Obstetrician inserts needle from collection bag into umbilical vein bevel side down, and collects cord blood by gravity while mixing the anticoagulant and cord blood frequently to avoid clotting. **COLLECT AS MUCH BLOOD AS POSSIBLE.**
4. When blood flow has ceased or the vein collapses, **close the pinch clamp**, withdraw needle from umbilical vein.
5. Slide the Phlebotomist Protection Device over needle hub until the needle is locked inside.
6. While holding the tubing above the bag, open the blue tethered cap on the air vent and allow the blood to drain from the tubing into the collection bag.
7. **Make 2 tight knots in the tubing** anywhere below the closed pinch clamp
8. **Cut off covered needle above the closed pinch clamp** and dispose in a sharps container.
9. **Attach a maternal label to the bag.** Record the date and time of collection on the label and the initials of the person affixing the label to the bag. Place all tubes of blood and the cord blood collection into the biohazard specimen bag.
10. Complete the labor and delivery data sheet.
11. Make sure all of the following items are enclosed in the collection box.

|  |  |   |
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| <b>MATERNAL BLOOD</b>                    | <b>CORD BLOOD</b>                                  | <b>COMPLETED PAPERWORK</b>  |
| <input type="checkbox"/> red top tube    | <input type="checkbox"/> Cord Blood Collection Bag | <input type="checkbox"/> Consent Form                               |
| <input type="checkbox"/> white top tube  |  | <input type="checkbox"/> Labor and Delivery Data Sheet              |
| <input type="checkbox"/> purple top tube |  | <input type="checkbox"/> Med History Questionnaire (if not sent in) |

12. Secure the opening of the collection box with tape.
13. **To arrange for transport or if you have questions, please call the St. Louis Cord Blood Bank at 1-888-453-2673 or 314-268-2787. The collection box can be kept in labor and delivery or sent to your hospital blood bank to await the courier. The product should be stored at room temperature.**