

<p>St. Louis Cord Blood Bank <small>SSM Cardinal Glennon Children's Medical Center St. Louis University Department of Pediatrics</small></p> <p><i>The First Gift.</i></p>	<p>ANNUAL REVIEW OF CORD BLOOD COLLECTION PROCESS</p>
<p>Cellular Therapy Laboratory & St. Louis Cord Blood Bank 3662 Park Avenue, St. Louis MO 63110, 314-268-2787</p>	<p>CL.02C.08</p>

Annual RN Review of Cord Blood Collection Process

The St. Louis Cord Blood Bank at Cardinal Glennon Children's Medical Center is a public, not for profit DONOR program that coordinates the collection, processing and distribution of umbilical cord blood. Umbilical cord blood is a NON-CONTROVERSIAL source of adult stem cells. These stem cells can be used to repopulate a person's blood-making system that is abnormal due to disease or has been destroyed by therapy. This is available to both children and adults in need of transplantation.

Nurses and other members of the delivery team play an invaluable role in coordinating this process. Maternal and infant screening is essential to decrease the potential for disease transmission and ensure the safety of the donation. With this in mind, it is important that the following guidelines are in place.

If any of the following are present, the collection should NOT take place:

Multiple births, positive serology for HIV, Hep B or C, HTLV, syphilis, gonorrhea, any active STD at the time of delivery, mother or father of baby with history of cancer or blood disorder requiring chemotherapy, maternal temp >102 F or 39.0 C, malodorous placenta, gestational age < 34 weeks, excessive maternal bleeding, physical evidence of sepsis, or mother of baby with evidence of illicit drug use.

If any of the following are present, the collection CAN take place, and should be noted on the labor and delivery sheet

Maternal colonization with group B beta strep, meconium staining, rupture of membranes >24 hours, antibiotics (without evidence of infection), *history* of STD (no signs of active infection at time of delivery).

NOTE: cord blood donation is still an option, even if a women chooses delayed cord clamping.

Cord Blood Manual

All relevant SOP's and forms are located on the SLCBB website, www.slccb.org, clinical portal, clinical forms Enter passcode Labor2012. Please be familiar with and understand the contents.

Consent

The consent provided needs to be signed and witnessed at the hospital prior to delivery and/or the onset of active labor and sent back in the collection box. The additional copy of the consent should be provided to the family.

Maternal Blood Samples

One red, one white, and one purple top tube of maternal blood are required for participation. Tubes are provided by the St. Louis Cord Blood Bank. Tubes should be filled in this order: red top, white top, and then purple top. All tubes must be **filled completely and labeled properly.**

Labor and Delivery Data Sheet

This provides the bank with the required information for donor screening. This form should be filled out completely and sent back in the collection box.

Specimen Labeling

Maternal blood samples and collected cord blood bag **must be labeled** with a maternal label with the date and time of collection of blood and initials of collector affixed.

Storage of collected cord blood before transport (location specific to hospital)

Know location where completed cord blood collections are stored prior to courier pick up. Cords are picked up every morning and need to be placed in the appropriate location as quickly as possible.

Medical History Questionnaire

A medical history questionnaire is required from all donors. If not completed prior to admission to the hospital, please provide and send the completed form back in the cord blood collection box.

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The goal at *hospital name* is to offer all women the opportunity to donate cord blood. Optimally, this is done prior to labor. The admission form includes a question regarding cord blood donation. **Please note if the women's prenatal record has been flagged with the purple flag or the mom has a reminder card indicating she is a registered cord blood donor.** If a woman would like to participate, but had not pre-registered, please provide her with a copy of the brochure "The First Gift", and also provide her with the medical history questionnaire. The completed medical history questionnaire should be included with the collection box.

Thank you for your continued support and cooperation with this life saving program.

Please answer the following questions and return to the department educator.

1. The cord blood manual is located: _____
2. How many tubes of maternal blood are required?
 - a. one
 - b. two
 - c. three
 - d. four
3. The consent needs to be signed and witnessed prior to collection and a copy provided to the family.
 - a. True
 - b. False
4. Which of the following would **exclude** a donor from participating? Circle all that apply
 - a. Active STD at time of delivery
 - b. Meconium staining
 - c. Positive for group B beta strep
 - e. Evidence of illicit drug use
 - f. Positive screening for Hep B
5. Completed cord blood collection kits should be stored: _____
6. Maternal specimens and cord blood collection bag must be labeled with a maternal label, with the date and time of the collection and the initials of the collector.
 - a. True
 - b. False
7. Paperwork that must be included in a completed cord blood collection kit include:
 - a. consent form
 - b. labor and delivery sheet
 - c. medical history questionnaire (if not previously completed)
 - d. ALL OF THE ABOVE

Name _____ Date _____

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