

FRONT

# Welcome to the GeneCell Family!

## NEWBORN STEM CELL COLLECTION KIT • PARENT INSTRUCTIONS

### BEFORE BABY'S ARRIVAL

#### • COLLECTION KIT CARE

Please maintain the cord blood collection kit at room temperature in a safe place.

#### • KIT COMPONENTS

Please DO NOT open components or collection bag provided in the cord blood collection kit as it can compromise its sterility.

#### • DOCUMENTS

If not done so, please provide completed contract and medical history questionnaire to Genecell prior to delivery.

### AT THE HOSPITAL WAITING FOR BABY'S ARRIVAL

#### • NOTIFY CLINICAL STAFF

When admitted to the hospital, please inform your doctor, nurse and/or clinical staff about your stem cell collection kit, and your option on cord blood, or cord blood and cord tissue collection.

#### • MATERNAL BLOOD COLLECTION

Remind clinical staff about the birth mother's blood that must be drawn into the four (4) collection tubes provided in the kit. Please ensure that the blood is drawn prior to administering IV fluids.

**Please note:** The maternal blood can be drawn after delivery; however, it must be drawn 48 hours after administering blood product transfusion and/or IV fluids.

CONTINUE ON BACK PAGE ➔

# Newborn StemCell Collection Kit

**PLEASE CALL OUR OFFICES WHEN COLLECTION IS COMPLETED**



The Continuation of Life<sup>SM</sup>  
Processing • Storage • Research

## Cord Blood Collection Instructions

1. Cord blood should be collected as soon as the cord is clamped and cut.
2. If cord tissue collection has been requested as well, please ensure that the cord blood is collected prior to the tissue collection.
3. Flatten the collection bag before use, and securely clamp the umbilical cord to prevent blood loss.
4. The selected insertion site of the umbilical cord shall be sterilized with a disinfectant wipe to prevent microbial contamination.

**It is recommended that the insertion site for collection is closer to the clamp in order to draw a larger volume of blood**

5. Remove the needle cover by carefully twisting and pulling the cap.
6. Insert needle into the umbilical cord vein at the insertion site.
7. Extend the tubing to its full length, and keep the bag lower than the insertion site to maximize blood flow into the collection bag.



**GOAL: 5+ minutes of collection to draw as much blood as possible. Cord blood volume is proportional to the number of cells... and EVERY CELL COUNTS!**

8. When the blood flow has ceased, place 1 clamp on the tube site closest to the collection bag.
9. Attach needle guard to tubing and cover the needle for safe sharps disposal.
10. Place another clamp closest to the needle/needle guard.
11. Cut and properly dispose of needle.
12. Tie knots on the tubing, one on each extreme of the clamps to ensure that no blood is lost through possible leaks.
13. Properly complete the identification label, provided, with all the required information.
14. Once completed, adhere identification label to the collection bag.
15. Carefully agitate the blood in the collection bag to ensure that the blood is well mixed with the anticoagulant.
16. Cover the collection bag with the provided absorbent material and place into plastic bag.
17. Seal the bag and return it to the GeneCell Collection kit.

### IF THE PLACENTA TEARS:

Do not clamp the umbilical cord with the clamps in order to facilitate the flow of blood. Place the placenta in a sterile tray higher than the collection bag for no more than 15 minutes in order to draw the blood from the umbilical cord.

**IMPORTANT: PLEASE ENSURE THAT ALL DOCUMENTS ARE PROPERLY COMPLETED. KEEP SAMPLE AT ROOM TEMPERATURE.**



## Maternal Blood Collection Instructions

After proper client identification on collection tubes, perform a standard venipuncture for blood draw as per your facilities standard operating procedures. If further assistance is necessary, please refer to the instructions below:

1. Using an alcohol prep pad, disinfect area of venipuncture.
2. Place the tourniquet around the top part of the arm, as it applies pressure to facilitate the blood flow to collection tube.
3. Insert needle into vein and proceed into filling all 4 collection tubes to their maximum capacity.
4. While still performing the collection of the last tube, remove tourniquet to resume regular blood flow.
5. Once the blood has been drawn, remove the vacutainer and cover the puncture in order to avoid bleeding.
6. Properly discard the needle.
7. Once the 4 collection tubes have been filled, ensure accurate labeling with the patient's name, date of birth, and date/time of collection.
8. Gently place the 4 collection tubes in the indicated slots within the collection kit.



## Cord Tissue Collection Instructions

1. Collection of umbilical cord section shall be performed ex-utero.
2. Decontaminate umbilical cord using an alcohol or an iodine pad and discard the wipe after use.
3. Using a sterile scalpel or scissor, cut approximately a 3 inch segment of the umbilical cord.
4. Insert the 3 inch cord segment into the sterile collection bottle provided within the collection kit.
5. Carefully re-cap and securely tighten the lid of the collection container.
6. Properly identify the collection bottle with the patient's name, date of birth, date and time of collection.
7. Place the collection bottle into the GeneCell's collection kit's designated slot.

# Newborn StemCell Collection Kit

## CLINICAL STAFF INSTRUCTIONS

### HUMAN SPECIMEN COLLECTION INSTRUCTIONS

If necessary, please refer to the back of this page for detailed instructions on how to perform a cord blood, cord tissue and maternal blood collection.

### SPECIMEN IDENTIFICATION

Please adhere provided identification labels to the following:

- Cord Blood Collection Bag
- Four(4) Blood Collection Tubes
- Cord Tissue Collection Bottle (if applicable)
- Health Assessment Form

### DOCUMENT COMPLETION

Please complete and sign *Health Assessment Form* found in envelope.

**Please note:** If a non-conformance event occurs during collection, which may have potentially affected the quality of the specimen sample, please contact GENECELL INTERNATIONAL for further guidance.

### LAST REVIEW

Please review and confirm that the information on labels correctly identifies the patient. Please ensure that all specimen(s) collected are placed within the collection package along with the *Health Assessment Form*.

 1888-994-3632

 **GeneCell**<sup>™</sup>  
INTERNATIONAL

The Continuation of Life<sup>™</sup>  
Processing • Storage • Research

[www.genecell.com](http://www.genecell.com)



# Baby has arrived!

- **COLLECTION KIT REVIEW**

Once the collection has been performed, please review the collection kit and confirm that the blood collection bag has been properly labeled and placed back into the box along with all maternal blood tubes and cord tissue segment bottle (if applicable).

- **COMPLETE & SIGN FORM**

Please complete and sign the "Umbilical Cord Collection Kit Information" form found in envelope.

- **DOCUMENT CHECK**

Please ensure that both documents, listed below, are completed and placed within the collection package:

- Umbilical Cord Collection Kit Information (For PARENTS to fill out and SIGN)
- Health Assessment Form (For CLINICAL STAFF to fill out and SIGN)

- **PLACE COLLECTION KIT IN CLEAR SECURITY BAG**

Once collection is complete, and all documents verified, please place collection kit box into clear security bag by removing tape backing from adhesive strip to securely close.

- **CALL GENECELL**

Once review has been completed, please call us at 305-382-6737 (Toll Free: 888-994-3632) to notify our facilities that your baby's umbilical cord blood and/or cord tissue has been collected.

**Please note:** *There is 72 hour (3-day) grace period for the processing of your baby's stem cells*

- **COLLECTION KIT CARE**

Maintain collection kit secure at room temperature prior to pickup, DO NOT REFRIGERATE!

## FOR BIRTHS OUTSIDE OF SOUTH FLORIDA:

1. After the clinical staff has collected your baby's cord blood and returned the collection package to you, please place the collection package into the FedEx Clinical Pak (or Diagnostic Bag) provided to you within the package.
2. Securely close the clinical Pak, and adhere the FedEx Air bill provided (prepaid).
3. Call 1-800-GOFEDEX (1-800-463-3339) to schedule a pickup as soon as possible.
4. If complications exist with FedEx's scheduled pickup, in order to avoid further delays, please feel free to drive to the nearest FedEx office to drop off the cord blood collection package.



The Continuation of Life™  
Processing • Storage • Research

[www.genecell.com](http://www.genecell.com)

 1888-994-3632