



CORD BLOOD CELLS



Parent & Healthcare Professional Instructions for the collection of Maternal & Umbilical Cord Blood

Contents List of Umbilical Cord Blood Collection Kit

- 1 Thermally insulated transportation box - do not throw away.
- 2 Forms booklet to be filled in by the parents & the healthcare professional.
- 3 Inside the transportation box are the following:
 - An umbilical cord blood collection bag
 - Plastic zip lock bag for cord blood bag with absorbent towel
 - Label for the cord blood bag
 - Sterile gauzes to clean the cord prior to disinfection
 - Alcohol wipes for disinfection
 - Disposable sterile scissors
 - White screw top plastic container
 - Security seal
 - Maternal blood collection tubes (Vacutainer®)
 - Sterile Gloves
 - Vacutainer adaptor
 - Vacutainer needle.

Parents Instructions

- 1 Remove the plastic screw top container from the transportation box with all its contents and hand it to the healthcare professional carrying out the collection. (The transportation box will be used again to transport the sample back to Future Health).
- 2 Ensure that the maternal blood samples 2 x (10ml) and 1 x (5ml) are collected into the blood tubes that are provided in the kit. (Vacutainer®).
- 3 Complete the label for the cord blood bag and the label on the cord tissue tube. If you do not we cannot process the samples.
- 4 Stick the label on the cord blood bag (this should be carried out by the healthcare professional)
- 5 The cord blood bag and/or cord tissue collection tube along with the maternal blood tubes are placed into their zip lock bags and then into the screw top container.
- 6 Complete label on the outside of the screw top container.
- 7 Place the screw top container in the transportation box.
- 8 Complete the forms located in the parents section of the forms booklet.
- 9 Remove the blue security seal from the box.
- 10 Place the foam box lid on top.
- 11 Close the box and seal it with the blue security seal.

The cord blood and/or cord tissue should be maintained at room temperature (15°C to 25°C) until it is collected by the courier, it should not be placed in the fridge.

After your baby is born please call our Customer Care Line on 0800 954 5335 during working hours 08.00 and 20.00 hrs and we will arrange for a courier to collect your sample. If the birth is after 20.00 please call at 08.00 the following morning.

**In an emergency please contact our customer care line on 0800 954 5335.
This is available 24hrs a day.**

Information for the collection for Healthcare Professionals

It is understood that at all times the safety and well-being of the mother are priority. Ensure that you have confirmed the collection is ok to proceed before going ahead. If you are unable to make the collection you will not be held responsible or liable by the parents or Future Health. This also applies if anything goes wrong during the collection. (Please document any problems to Future Health on the procurement report). The cord blood should be collected as soon as possible after the completion of the birthing procedure.

The blood must be collected in a sterile manner. It is important to make every effort to maximise the quantity of the cord blood collected from the umbilical cord. The bag provided is capable of collecting over 150ml of blood. A minimum of 40ml of blood is required BUT the more blood you collect the greater the chances of more stem cells being stored.

BEFORE THE PROCUREMENT BEGINS, PLEASE ENSURE YOU ARE WEARING STERILE GLOVES.

Ensure you have thoroughly cleaned your hands with antibacterial wash and put on the sterile gloves before conducting the umbilical cord blood or maternal blood collections.

Maternal Blood Collection Instructions

1. Twist white cap off vacutainer needle.
2. Twist vacutainer needle into vacutainer adaptor.
3. Carefully remove green cap.
4. Insert needle into vein.
5. Insert vacutainer into vacutainer adaptor.
6. When vacutainer has finished filling remove the vacutainer from vacutainer adaptor.
7. Gently agitate the vacutainer.
8. Repeat steps 5, 6 and 7 for all vacutainers.
9. Remove the needle from the vein and apply pressure.
10. Discard needle into sharps clinical waste bin.
11. Insert vacutainer(s) into screw top container with the cord blood sample.

Information for the collection of Umbilical Cord Blood for Healthcare Professionals

- Before use, verify the integrity of the outer bag of the cord blood collection bag.
- Discard the outer bag (foil packaging).
- Check both clamps are open.
- If the placenta has been delivered, place it on a soft raised surface or bench (on a towel or kidney dish).
- Clean the umbilical cord with the sterile gauze and then disinfect the lower part with an alcohol wipe (always in the same direction).



- If the cord is twisted, straighten it to improve blood flow.
- Remove the needle cover from the needle and venepuncture the umbilical vessel at the lowest part, as close to the clamp as possible.



- Wait until the blood flow stops. Milk the cord to get as much blood as possible.
- Close the tube clamp and pull out the needle. Use the safety sheath to cover the needle.



- Repeat the same procedure with the second needle but at the top end of the cord near the placenta. **Again, clean and disinfect the area, before using the needle.**



- Gently agitate the blood bag from side to side to ensure the blood and the anticoagulant are thoroughly mixed. **Please do not shake the blood collection bag.**
- Stick one identification label on the blood bag (label completed by parents).
- Place the blood bag in the plastic zip lock bag provided with the absorbent towel and then place it in the white plastic screw top container.



- Hand the plastic container to the parents. **Thank you.**

NB: The cord blood must be kept at **room temperature (15°C to 25°C)**.
Do not place in a fridge and never freeze.

**If you require any additional information please call 0800 954 5335.
This line is available 24hrs a day.**

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