

Cells4Life



**INTERNATIONAL CORD BLOOD AND
TISSUE PROCUREMENT PROTOCOL**



CELLS4LIFE COLLECTION PROTOCOL

Please read and follow these instructions carefully

To activate the courier service please call the dedicated collection line with your customer number. This number can be found on your kit box and the accompanying dispatch letter.

- In the event of a complicated delivery, failure of collection or for immediate technical advice during delivery, please call to speak to a medical advisor, available 24 hours a day.
- The collection kit contains materials for the maternal, umbilical cord blood and/or tissue collection. Please ensure, where possible, ALL samples are taken and returned via our medical couriers.
- *Please note it is the responsibility of the partner or husband and not the midwife or doctor to arrange for the courier to collect the sample.*

If you have any queries please do not hesitate to contact us.

Wayne M Channon
Chairman

CORD BLOOD PROCUREMENT

1



Remove the sealed Cord Blood Collection Kit from the transportation box. Check the integrity of the sealed packaging.

2



Tear open the sealed Cord Blood Collection Kit packaging as shown.

3



Cord Blood Collection Kit contents:

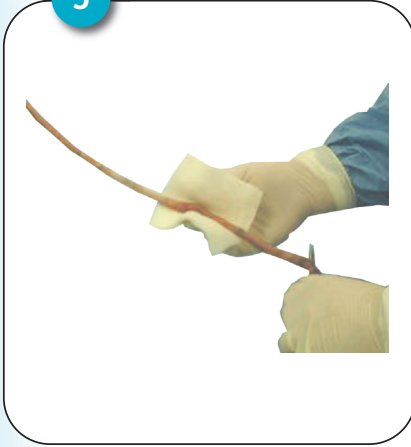
- 1 & 7. Cord blood collection bag
2. Gauze swabs
3. Chlorhexidine swabs
4. Cord blood packaging
5. Maternal sample kit
6. Auxilliary blood collection items

4



Following delivery of the placenta quickly check for gross abnormalities. If *in utero* detail why on Collection Summary Form.

5



Using the sterile gauze, remove excess fluid and debris.

6



Using the chlorhexidine swabs, liberally disinfect the proposed needle insertion point.

7



Insert the needle from one collection bag into the umbilical vein close to the cut end. If blood flow becomes poor or stops, use the second collection bag inserting the needle into the umbilical vein close to its origin at the placenta to maximise blood collection.

8



Allow blood to drain into the collection bag by gravity flow. Agitate bag occasionally to mix blood and anticoagulant. Milking the cord and manipulating the placenta will help flow.

9



Lock off the blood line with the attached clamp and knot for extra security. **Cut off needles and dispose in sharps bin.**
IF TWINS ARE DELIVERED ENSURE THE BAGS ARE CLEARLY IDENTIFIABLE

10



Take maternal blood sample using the needle and vacutainer provided. Only one needed for multiple births. **If it is not possible to obtain a maternal sample then a sample should be taken within 7 days of birth and sent to us.**

CORD TISSUE PROCUREMENT

IF NOT REQUIRED REFER TO POINT 20 ONWARDS.

11



Open +Cord Collection Kit if provided.

12



+Cord Collection Kit contents:

1. DGP PATHOSEAL 95 (incl. absorbent pad)
2. Cord collection pot
3. Sterile Normasol™ saline sachets
4. Forceps
5. Disposable scissors
6. Gauze swabs
7. Piece of tissue

13 Wash gloved hands thoroughly or replace gloves.

14



Select an undamaged length of umbilical cord approximately 10-15cm long and cut using scissors provided.

16



Obtain sterile pot and remove lid. Place lid upside down on clean surface and place cord in pot using forceps.

15



Place cord on clean tissue using forceps and remove excess blood and debris using sterile gauze. Suspend the cord over tissue with forceps and using sterile gauze 'squeeze' out as much excess blood from the cord as possible.

17

Empty NORMASOL saline sachets into the pot, enough to cover the cord. Carefully replace lid and check for leaks.

18

Write client's customer number and date on side of pot.

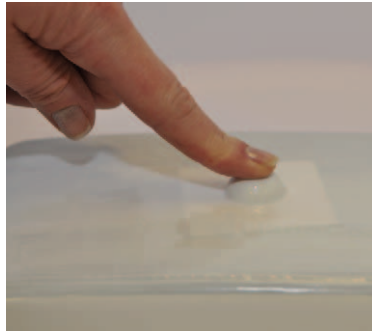
PACKAGING

19



Remove security seal and gauze from BioPouch. Place collected cord blood and/or tissue with the maternal sample into the BioPouch. Seal as per instructions on BioPouch.

20



Complete Collection Summary Form (overleaf). Place form and BioPouch into kit box, press the button as shown and seal using security label. **This is a legal requirement.**

**MOTHER OR FATHER:
SIGN THE LABEL ON THE PACKAGING**

21

Call the courier number provided and give your customer and booking reference, if provided.

IT IS THE PARENTS' RESPONSIBILITY TO CALL THE COURIER AND MEET THE COURIER TO HAND OVER THE SAMPLE.

Collection Summary Form

To be completed by person procuring sample(s).

Please detach this section and return to Cells4Life in the collection box.

Customer/kit no. _____

Name of mother _____

Name of child (if known) _____ M F

Name of person procuring sample(s) _____

Name of person's employer _____

Date of procurement _____

Time of procurement _____

Name & address where procurement occurred _____

Twins Yes / No *in utero* collection? Yes / No
if Yes, why? _____

Samples obtained Maternal Yes / No

Cord blood Yes / No

Cord tissue Yes / No

Any events during procurement? _____

Where was sample taken

Sluice room Delivery suite Maternity ward

Other - please specify _____
