




Document History:

Title: Emergency Issue of Donor Red Cell Units –Non Trace Line/ Non Crossmatch Facilities **Site(s):** DSM

Document #:	160-MP-20	Version #:	03
Section:	Manitoba Transfusion Quality Manual for Blood Banks	Subsection:	MP Module

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Signature:			
Date:	<u>26-APR-2016</u>	Date:	<u>MAR-2011</u>

#	Details of Revisions:	Approval:	Date:
1	New document	A Kabani	31-MAR-2011
2	<ul style="list-style-type: none"> ▪ 4.0 Note added for Trace Line sites to refer to TL procedure: 	C Musuka	22-OCT-2012
3	<ul style="list-style-type: none"> • Revised title to Non Trace Line/Non Crossmatch facilities • 3.0 removed blood bank tag and updated with current job aid • 4.0 note revised with correct name of TL procedure • 4.3.1 and 4.3.2 revised (Males <18 no longer to receive O-Neg) • 4.1 and 4.8 expanded and note added to clarify were to send patients sample • 4.7.1 new • 4.10 revised to retain completed ROT • 5.1 to 5.4 new 	C Musuka	26-APR-2016
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Emergency Issue of Donor Red Cell Units- Non-Trace Line/ Non-Crossmatch Facilities

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1.0 Principle

To issue Group O unmatched donor red cell units in an emergency when time does not permit a type and screen/crossmatch

2.0 Scope and Related Policies

- 2.1** At minimum, Group O Rh positive shall always be available for emergency use in all facilities where obstetrical care/dialysis is provided.
 - 2.1.1** The emergency unit(s) are stored in a separate clearly labelled area in the controlled blood bank refrigerator.
- 2.2** A pre-transfusion blood specimen shall be drawn prior to the transfusion of unmatched Group O red cells whenever possible.
- 2.3** Units shall have a conspicuous label that clearly indicates that compatibility testing has **not** been completed.
- 2.4** Transfusion records shall include a signed declaration by the requesting physician/ authorized practitioner confirming that the clinical situation was sufficiently urgent to justify releasing blood products before completion of pre-transfusion testing.
- 2.5** Should a red cell unit(s) be issued before compatibility testing is complete, and subsequently prove incompatible, the attending physician/authorized practitioner and the BTS Medical Director or designate/TM physician on call shall be informed immediately. Transfusion of incompatible unit(s) shall be stopped immediately and transfusion of the unit(s) discontinued, pending the decision of the physician/authorized practitioner.

3.0 Materials

Group O Rh positive or Group O Rh negative donor red cell units – tagged with Emergency Red Cell Tag
 Request form for crossmatch
 Patient specimen
 Record of Transfusion (ROT)
 Job Aid Emergency Issue Donor Red Cells- Non Trace Line/Non Crossmatch Facilities

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4.0 Procedure

Note: For non-testing Trace Line sites refer to Trace Line Procedure: Emergency Issue Uncrossmatched Red Cells and Emergency Plasma Components in Trace Line

Emergency issue of unmatched Group O red cells will be given priority

- 4.1** Collect a specimen from the patient and send STAT to BTS laboratory that supplied the stock emergency red cells (i.e. Trace Line testing site or CBS crossmatch lab)
- Note:** If stock emergency red cells were supplied by an Trace Line hub site (non-testing site) send sample to CBS crossmatch lab
- It is preferable to collect the specimen prior to transfusion of the emergency blood
- 4.2** Obtain available patient information.
- 4.2.1** Check the Antibody Notification binder to determine if patient has any pre-existing antibodies.
- 4.2.2** Notify the physician/authorized practitioner immediately if the patient has a letter on file.
- Note:** It is the physician's responsibility to determine if they will proceed with the emergency transfusion or wait for crossmatched blood to be available.
- 4.3** Select and visually inspect appropriate emergency red cell units. Refer to INV Procedure- Visual Inspection of Blood, Blood Components and Derivatives and INV Procedure- Selection of Blood and Blood Components for Transfusion.
- 4.3.1** When **both** Group O Rh positive and Group O Rh negative units are available select:
- Group **O Rh negative** if the intended recipient is:
 - ✓ Female less than or equal to 45 years of age
 - Group **O Rh positive** if the intended recipient is:
 - ✓ Female greater than 45 years of age
 - ✓ Male (any age)
- 4.3.2** When **only** Group O Rh positive units are available:
- Notify the BTS
 - The BTS will notify the BTS medical director or designate/TM physician on call within 24 hours if the recipient is determined to be Rh negative and is a female less than or equal to 45 years of age
 - Administration of Rh immune globulin will be determined by the BTS Medical Director or designate/TM physician on call after consultation with the attending physician/ authorized practitioner. This consultation shall be documented by the BTS Medical Director or designate/TM physician on call
- 4.4** Record the patient information, if available:
- On the emergency uncrossmatched Red Cell tag attached to the unit
 - On the Record of Transfusion (ROT)
- Note:** The BTS that supplied the emergency red cell units will have recorded the donor red cell unit blood group, donor red cell unit donation number and the group confirmed (by and date) on the tag.
- 4.5** Remove at least 2 segments from the unit(s) prior to issue for post-transfusion crossmatch.
- Affix label with donor unit number from the red cell unit to the segments
 - Bag and store in controlled storage refrigerator
- 4.6** Issue the red cell units.
- For Non Trace Line sites refer to INV Procedure- Issuing Blood and Blood Components/Return within a Facility of Previously Issued Blood and Blood Components.

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4.0 Procedure cont'd

- 4.7** Complete the appropriate Blood Bank log with as much information as is available or becomes known.
- 4.7.1** Ensure Record of Transfusion (ROT) is completed with signed declaration by requesting Physician/authorized practitioner and start of transfusion. Make copy of completed ROT.
- 4.8** Send the following to the BTS laboratory that supplied the stock emergency red cells (i.e. Trace Line testing site or CBS crossmatch lab) as soon as possible:
- Note: If stock emergency red cells were supplied by an Trace Line hub site (non-testing site) send sample to CBS crossmatch lab*
- Pre-transfusion blood specimen
 - Completed request form
 - 2 donor segments
 - A completed Record of Transfusion (ROT) for each unmatched donor unit transfused
- 4.9** Order replacement stock as soon as possible.
- 4.10** Retain copy of completed Record of Transfusion (ROT) according to record retention policy (refer to appendix 8)

5.0 Reporting

- 5.1** Ensure blood bank log is completed with all required documentation
- 5.2** Ensure all required documentation completed on emergency uncrossmatched red cell tag attached to the unit
- 5.3** Ensure Record of Transfusion (ROT) is completed with all required documentation
- 5.4** Ensure all required documentation completed on request form

6.0 Procedural Notes

N/A