



Deviation From SOP

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Date: 3/18/25

Affected SOPs: _

- 1) **Blood Bank Haemonetics Blood Track Remote Refrigerators**
- 2) **Red Cell Aliquot**

Description:

At Go-Live 3.18.25

It was planned to use orders for post-operative (post-op) CVICU to have one blood product split to two and stored for a single patient post-CV surgery. The reason for this change was to limit the donor exposure for these patients who may need a heart transplant in the future. The fewer number of blood exposures is better for the transplant in the future.

This morning, we had our first set of patients who have crossmatched, aliquot blood provided to the BT Fridge. We had few issues which need to be worked through to find the best process.

What was discovered:

- 1) The BT10 temperature indicators indicated that the aliquot prepared in the QUAD bags were not able to be prepared and maintain temperature within 1-10C. Therefore, the aliquot product's temperature was questionable.
- 2) There was confusion with what products were needed in the OR and what was needed in the Blood Track Fridge in CVICU for post-operative transfusion.
- 3) Red Cell Aliquot procedure does not specifically state which blood bag to use for preparation of aliquots > 60mL. With the implementation of requests from CVICU for post-operative units to be crossmatched and available in the Blood Track Fridge, this instruction needs to be updated to only use the 400 mL bags to split a unit equally for a patient in CVICU post-procedure.



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Summary of Changes:

Short term resolution

- 1) Per Red Cell Aliquot procedure, it states to use a quad bag or single bag. Current SOP IX.2.b. *For transfusions greater than 60 mL, use a quad pack or single aliquot bag.*

Deviate from this step for CVICU Post-Operative aliquots in the following way

- a) SOP IX.2.b. For CVICU Post-Operative RBC aliquots greater than 60 mL, **use single aliquot bag only (400-600mL bag).**
- b) These post-op CVICU orders will be split into two equally divided units, approximately 150 mL each.

- 2) Prepared split units for post-op CVICU patients. Place prepared products in the labeled fridge in RHBB for the next day dispensing to the Blood Track CVICU fridge.



Blood Track procedure IX.B.4 currently indicates to wait for a delivery before taking the unit(s) to the Courier Blood Track Fridge in CVICU.

Deviate from this step for Delivery of Post-Op CVICU Aliquots by

- a) Do not wait for delivery request.
- b) These product orders should be dispensed and delivered to CVICU Blood Track Fridge no later than 9am on day of surgery.

Long-term resolution

- 1) Complete a process validation to verify the update to the aliquot procedure.
- 2) Generate a new SOP for Post-Operative CVICU Order Completion



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Standard Operating Procedure Manual (SOP) – Transfusion Medicine

Procedure #: BBQA – F001
Manual: Quality Assurance
Original Effective: 04/27/09
Revised: 04/21/2011
Revision Effective: 08/04/2011

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Implementation of Change

3.18.25: MTS training and Email notification will be sent to the Blood Bank Team.

This update will be posted and process validation completed by April 2025.

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Approved By: BB Medical Director