



This Policy and Procedure is applicable to:

- ☐ Memorial Group, Inc.
- ☒ Memorial Hospital – Belleville
 - Department Specific Laboratory
- ☒ Memorial Hospital East
 - Department Specific Laboratory
- ☐ Memorial Care Center
- ☐ Memorial Medical Group

Policy No.: BBBP 6.4

Effective Date: 1/28/16

Supersedes: BBBP 6.3

Reviewed:

Revised: 1/28/16

Administrator: Jennifer Harris

Signature See Document Control Form

Preparation of Thawed Frozen Products

A. Principle

Frozen blood products, such as plasma or cryoprecipitate, must be thawed prior to issue. The product and expiration date will be changed in the hospital computer system at the time of preparation.

B. General Policies

- a. Patients must have an ABO/Rh performed in the last 14 days to receive thawed plasma or cryoprecipitate products.
- b. ABO group of the thawed plasma or cryoprecipitate product must be compatible with the patient's ABO group. It is not required to match the Rh type of the patient. (Refer to compatibility chart)
- c. All thawed plasma products will have an expiration of 24 hours from date/time of thawing.
- d. Cryoprecipitate pooled prestorage will have an expiration date of 6 hours from date/time of thawing.

C. Specimen Collection and Preparation

N/A

D. Equipment

- a. Helmer QuickThaw

E. Supplies

N/A

F. Reagents

N/A

G. Quality Control

N/A



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H. Safety

Refer to Chemical Hygiene and Blood Borne Pathogen Plan for Memorial Hospital Laboratory.

I. Procedure

Preparing Thawed Product in Hospital Computer System

NOTE: This process may be performed before or after physical thawing of product.

- a. From the main desktop, open the *BBK Unit* desktop.
- b. Choose the *Single* option on the right menu bar.
- c. Choose *Process Units* on the right menu bar.
- d. Choose *Make Components*.
- e. Scan the barcode unit number found on the product.
- f. Creation date and time will default to current.
- g. Enter to Unit Label Printer
 - i. Enter LABBBPL01 or LABBBPL02.
- h. Enter to Unit Label Format
 - i. Type BBKFROZEN or
 - ii. Press the F9 key and select the correct format.
- i. Ensure the following default information is correct:
 - i. Component to be created
 - ii. Unit number
 - iii. Expiration date/time
- j. Enter to volume.
 - i. Type the volume of the product.
 - ii. Volume left, located above unit label format, should be 0ml.
- k. Click Save button to file.
- l. Once the product is thawed, ensure that the label WBN matches the WBN on the unit and place the label on the thawed product covering the old expiration date.
 - i. Do not try to put label on frozen unit. Label will not stick.
- m. Record the volume of the thawed product on the *Thawed Plasma frozen within 24 hours after Phlebotomy* label **or the Thawed Pooled Cryoprecipitated AHF label, whichever is appropriate for the thawed product.**
 - i. **Do not try to put label on frozen unit. Label will not stick.**
- n. Attach Thawed Plasma or **Thawed Cryo** label on thawed product covering the previous product code.
 - i. **Do not try to put label on frozen unit. Label will not stick.**
 - ii. If label is not attached to thawed product, unit will not be able to be scanned into the TAR system and nursing will call with an error that the product scanned doesn't match the product for the patient.

Thawing Product in Helmer QuickThaw

- a. Retrieve product(s) from storage unit. Refer to compatibility chart for product selection.
- b. Examine product to ensure no breakage is present.
- c. Place one (1) product in a plastic overwrap.



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- d. Remove the plastic cover from the plasma thawer.
- e. On the control panel, press the LIFT OUT button to raise and open the basket.
- f. Place the overwrapped product in the basket.
 - i. Hook the slot at the top of the overwrap bag over the tab on the basket.
 - ii. Insert a security snap through top set of holes on the basket.
- g. Set the cycle time for the appropriate product by pressing the CYCLE TIME button, if necessary
 - i. FFP = 16 minutes
 - ii. Pooled cryo = 8 minutes
- h. Press CYCLE START button to begin the thawing cycle.
- i. Basket will stop agitating, lift out and sound an audible alert when cycle is complete.
 - i. Remove the security snap from the basket and unhook the overwrap bag from the basket tab.
 - ii. Remove the product and inspect for complete thaw.
 - iii. If ice crystals remain, repeat steps e – g.
- j. To pause a thaw cycle, press the LIFT OUT button. To resume the cycle, press the LIFT OUT button again.
- k. To stop a thaw cycle, press the CYCLE START button.
- l. Press the LIFT OUT button to return the basket to the down position.

NOTE: NEVER manually lift the baskets from the chamber. ALWAYS use the LIFT OUT button.

J. References

- a. Mediatech User's Manual.
- b. Standards for Blood Banks and Transfusion Services, AABB, current edition, Bethesda, MD.
- c. Technical Manual, AABB, 17th Edition, 2011, pp. 275, 447, Bethesda, MD.
- d. Helmer QuickThaw Operators Manual, Revision L, 2013.



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PROCEDURE AND FORM CHANGE CONTROL

| Title: Preparation of Thawed Frozen Blood Products | | | | | | | | | | |
|--|-----|-----------|-----|-------------|-----|--------|-----|-----------|-----|--|
| Written | | Validated | | Path Review | | Review | | Effective | | Reason for Revision |
| Date | By | Date | By | Date | By | Date | By | Date | By | |
| 3/9/10 | PAB | 3/17/10 | GJM | 4/6/10 | JAP | | | 4/26/10 | PAB | |
| Revised | | | | | | | | | | |
| 4/20/11 | PAB | 4/25/11 | MLH | 4/28/11 | ESB | | | 6/1/11 | PAB | Updated for new Mediatech version |
| 9/10/12 | PAB | | | 9/4/12 | ESB | | | 9/13/12 | PAB | Removed reference to single cryo product |
| 4/5/13 | PAB | | | 5/18/13 | ESB | | | 5/15/13 | PAB | Removed single cryo, adjusted thaw time |
| 1/7/14 | PAB | 1/8/14 | LJA | 1/10/14 | ESB | | | 1/10/14 | PAB | New plasma thawing system |
| | | | | | | 4/1/14 | PAB | | | |
| 1/21/15 | JLH | | | | | | | 1/21/15 | JLH | Added that new expiration label placed over old expiration. Reordered procedure for better continuity. |
| 12/7/15 | JLH | | | 12/8/15 | ESB | | | 12/9/15 | JLH | Added addition of thawed plasma label to thawed plasma product and added new header. |
| 1/26/16 | JLH | | | | | | | 1/26/16 | JLH | Changed BBKNONBLD to BBKFROZEN |
| 1/28/16 | JLH | | | | | | | 1/28/16 | JLH | Added addition of thawed cryo label |
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Location of any copy(s) of the procedure:

Out of use:

Date: _____ By: _____ Reason: _____