AUTOTHAW FFP & CRYOPRECIPITATE – ASSIGNED TO PATIENT

☒ St. Joseph Medical Center, Tacoma, WA	☒ St. Anthony Hospital Gig Harbor, WA	☐ Harrison Medical Center, Bremerton, WA
☒ St. Francis Hospital, Federal Way, WA	☒ St. Elizabeth Hospital Enumclaw, WA	☐ Harrison Medical Center, Silverdale, WA
☒ St. Clare Hospital Lakewood, WA	☐ Highline Medical Center Burien, WA	☐ PSC

PURPOSE

To describe how to fill a patient order for FFP or Cryoprecipitate (Cryo).

BACKGROUND

FFP is a generic term commonly used in the Transfusion Service for the several different types of frozen plasma components including Cryo-reduced plasma. Most apheresis FFP will be from AB donors to maximize collection of this universal plasma type.

Plasma is used to treat bleeding associated with clotting factor deficiencies in situations where factor concentrates are not available or are not indicated. It is also used to replenish clotting factors during a massive hemorrhage. It is never to be used for the purpose of volume expansion.

Extensive studies on the stability of coagulation factors are found in the literature and demonstrate that the difference in the activity of various clotting factors found in thawed plasma products at 1-day and at 5-days post-thaw are relatively minor, with the exception of FV and FVIII. These two factors' activity levels do decline more rapidly, but are still found to be within the surgical hemostatic range for treatment at five days post-thaw.

In emergent cases, type AB plasma may be given to any patient since it is compatible with all blood types.

Cryoprecipitate is a concentrated product made from fresh frozen plasma and is used primarily in hemorrhaging patients to help control the bleeding. The hemorrhaging obstetrical patient has an especially high need for this product. Cryoprecipitate of any blood type can be given to any patient without regard to their blood type. Cryo contains:

- Fibrinogen
- Factor VIII
- Von Willebrand Factor
- Factor XIII

RELATED DOCUMENTS

M-W-TS-0329	Managing Product Labels and P-Tags
M-W-TS-0336	Component Label Verification
M-W-TS-0338	Batch Thaw FFP – for Inventory

SPECIMEN

A valid patient ABORH type from a Pink top tube, must be on file before giving type-specific plasma. On all subsequent admissions, an ABORH specimen must draw prior to issuing type-specific plasma.

STEPS

In the Patient/Order module:

1. Select and remove the desired number of frozen units from the plasma freezer to fill either the **Prepare FFP** order, or the **Prepare Cryo** order.
2. After thawing the unit(s), open the **Pending Worklog for your site** and locate your patient.
3. From the **Outstanding Items grid**, click (highlight) the product order row (FFP or Cryo) for your patient and then click the **PS** icon. The **Product Selection window opens**.
4. Barcode scan or manually enter the FFP or CRYO ~~component~~ ~~information from the~~ unit numbers and product codes for the units you have selected.
5. To the right of the Component Information box, information will appear regarding the thaw modification. Take a look at it to be certain that:
   - The new expiration date for Thawed Plasma is 5 days after the product is thawed.
   - The Thawed Cryoprecipitate expiration date is 6 hours from the time it was thawed

   Note: The current date and time will auto populate in the **Auto Mod Date** and **Auto Mod Time** blanks. This should be edited so that it reflects the actual date/time that the product began to thaw.
6. The system will **default a checkmark** in the **Print Label check box**. A specific Label ID is automatically defaulted according to table settings. To change to a different Label ID, use the drop down menu.
7. Ignore the Print Product ID tag check box. Because we use Label Verification, SafeTrace will not print a P-Tag from this screen no matter if the box is checked or not.
8. Click **Accept** to send the unit into the **Products Selected grid.**
9. **GT449 appears stating: Factors Exist. Would you like to review?** Click **Yes** to review the factor. The factor, "Component label not verified" will appear. Click **OK** to continue.
10. The component will appear in the Products Selected grid with the NEW Standard Product Code and new expiration date and time.
11. Repeat steps 4 – 10 with additional units needed to fill the order.
12. Click **OK** to save
13. The product label will print, but the PTAG will not. This is because the product is not ready for issue until it has been label-verified.
14. Refer to the **Component Label Verification** Work Instructions for how to verify the new product label. If label verification is not performed, a factor – **Component Label not Verified** – will appear which will prevent the unit from being issued. This task will be accomplished in the Inventory Module.
15. From the Inventory Module, reprint each P-Tag for the units which have been autothawed, and place them on the back side of the unit bag. **Components > Product ID Tag.**

REFERENCES

AABB Standards for Blood Banks and Transfusion Services, current edition

AABB Technical Manual, current edition