

Lab Policy
Dignity Health Central Coast Service Area

SUBJECT: Pre-Pooled Cryoprecipitate 7540.BB.FH.23

ORIGIN: Laboratory / Blood Bank

Applies to:		
<input type="checkbox"/> Santa Maria Campus, Marian Regional Medical Center	<input type="checkbox"/> Arroyo Grande Campus, Marian Regional Medical Center	<input checked="" type="checkbox"/> French Hospital Medical Center
<input type="checkbox"/> St. John's Pleasant Valley Hospital	<input type="checkbox"/> St. John's Regional Medical Center	

SUBJECT:

Lab Policy Number: 7540.BB.FH.23

I. PURPOSE:

To provide guidelines for handling/processing pre-pooled Cryoprecipitate.

II. PRODUCT DESCRIPTION:

Vitalant offers cryoprecipitated AHF, pooled - produced from five individual units. Units are pooled before freezing.

III. PRODUCT IDENTIFICATION:

French Hospital will refer to the pre-pooled cryoprecipitate. The cryoprecipitate will be designated in the Blood Bank Module.

IV. EXPIRATION:

Frozen pools, kept at -18C or colder, have an expiration date 12 months from the date of collection of the oldest unit in the pool. The expiration date is indicated on the component. Once thawed, pools cannot be re-frozen and must be used within 6 hours.

V. THAWING PROCESS:

Place the frozen cryoprecipitate units inside a Helmer Plasma Overwrap and thaw in the Helmer Plasma Thawer at 30-37C. Use the Helmer safety snaps as needed to insure that the cryo does not pop out of the water when the baskets are lowered into the water. Thaw units for 10-12 minutes, check for thawing completeness and that unit is still intact. If there are still a few frozen chunks, break them apart, return to plasma thawer and thaw for a few more minutes. Remove thawed cryoprecipitate from plasma thawer as soon as possible after product is completely thawed to prevent degradation of factor VIII.

VI. LABELING:

Once product is thawed, modify the component to thawed in the LIS and reprint the label. Overlabel the ISBT label with the new expiration date and time. Refer to procedure 7540.BB.CC.516 Thawing Plasma Products in Cerner for instruction.

VII. STORAGE:

Store frozen cryoprecipitate at -18 C or colder for up to 12 months from date of collection. Thawed cryoprecipitate should be stored at 20-24°C. If cryo is not being issued right away, and room temperature is outside 20-24°C, store cryo in the platelet rotator.

VIII. REFERENCES:

Standards for Blood Banks and Transfusion Services, AABB, 24th edition, 2016

Technical Manual, AABB, 15th edition, 2005.

United Blood Services Memo "United Blood Services Offers 'Pooled Cryo'." 2007.

IX. RELATED DOCUMENTS:

7540.BB.CC.516 Thawing Plasma Products in Cerner

X. APPENDIX: UNITED BLOOD SERVICES (NOW KNOWN AS VITALANT) OFFERS 'POOLED CRYO

A. The Product

To achieve adequate therapeutic volume, multiple units of cryoprecipitated AHF must be given. Traditionally, single units are thawed and pooled at the hospital blood bank immediately before they are transfused. Adult doses typically require pooling 5, 6 or 10 single cryo units.

B. The Service

United Blood Services offers cryoprecipitated AHF, pooled- produced from five individual units. Units are pooled before freezing. One or more 5-unit pools can be administered to achieve the required therapeutic benefit. We continue to offer single units for topical and pediatric use.

C. The Benefits to the Hospital

This service relieves hospitals of the inconvenience and expense of pooling, labeling and label verification. New regulations make the pooling process even more cumbersome for hospitals that pool as they must use a labeling system that conforms to ISBT 128 and register with ICCBBA (International Council for Commonality in Blood Banking Automation). In addition, frozen pools have a shelf-life of 6 hours after they are thawed, while single units pooled at the hospital must be used within 4 hours. Blood center QC checks assure adequate levels of fibrinogen and Factor VIII.

D. The Indications for Use

Cryoprecipitated AHF is given primarily as a concentrated form of fibrinogen. When given as single units, approximately 1 unit of cryo is given for every 10 kg of body weight. Using the 5-unit frozen pools, a typical single dose for 70 kg male would be 2 cryo pools, administered sequentially.

E. What about Blood Type?

Cryo is not typically ordered by blood type because cross-match compatibility with the recipient is not required; however, our cryo pools will contain a single blood type.

F. Expiration

Frozen pools, kept frozen at -18C or colder, have an expiration date 12 months from the date of collection of the oldest unit in the pool. The expiration date is indicated on the component. Once thawed, single units and pools cannot be re-frozen and must be used within 6 hours. Single units pooled at the hospital must be used within 4 hours.

G. Thawing Process:

Place the CR5 units inside a Helmer Plasma Overwrap and thaw in the Helmer Plasma portals kept above the waterline to protect from water-borne bacterial contamination. However, pooled cryo should be removed as soon as thawed to prevent degradation of factor VIII levels.

H. Codes

Commonality (Component) Code: 10191, (Codabar) Cryoprecipitated AHF, pooled

ISBT 128: E3587VOO, Pooled Cryoprecipitated AHF -18C

He reS/CPT: 1 unit P90I2 X5; APC: 0952

CPT: 86965 Pooling of platelets or other blood products