



HEALTH HOLDING

HAFA ALBATIN HEALTH
CLUSTER
MATERNITY AND
CHILDREN HOSPITAL

Department:	Laboratory and Blood Bank		
Document:	Departmental Policy and Procedure		
Title:	Appropriate Handling Of Cryoprecipitate (CRYO) after thawing		
Applies To:	All Laboratory and Blood Bank Staff		
Preparation Date:	May 27, 2025	Index No:	LB-DPP-267
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1. PURPOSE:

- 1.1 Thawed Cryoprecipitate (Thawed CRYO) units are handled in an appropriate manner by the blood bank staff

2. DEFINITONS:

- 2.1 Cryoprecipitate (CRYO); It is the portion that is rich in certain clotting factors, including Factor VIII, fibrinogen, von Willebrand factor, and Factor XIII. Cryoprecipitate is removed from the plasma by freezing and then slowly thawing or thawing at 30-37 the plasma.

3. POLICY:

- 3.1 The Bank develop Policy and procedure to ensure that Thawed CRYO units are handled in an appropriate manner

4. PROCEDURE:

- 4.1 Thawed CRYO units are prepared by thawing between 30°C and 37°C without direct contact with the water.
- 4.2 Place the cryoprecipitate bag into a biohazard bag to protect the cryoprecipitate bag against water contamination of outlet ports then place it in plasma thawer or water bath.
- 4.3 Set a timer for 20 minutes
- 4.4 Press Start.
- 4.5 When the Beeper sounds, remove the cryoprecipitate
- 4.6 If the unit is not completely thawed, break up the remaining iced cryoprecipitate with the fingers and start another 20 minutes.
- 4.7 Cryoprecipitate should be used within 6 h of thawing (individual units) and 4 hours from thawing time of pooled unites.
- 4.8 Thawed CRYO units are stored and transported at room temperature (between 20 and 24 °C)
- 4.9 CRYO components are stored under properly controlled conditions below -18°C.
- 4.10 During transportation, the CRYO units are maintained in a frozen state in a properly insulated container
- 4.11 CRYO components are assigned an expiration date of one year from the day of whole blood collection
- 4.12 Requirements (water bath, plastic bag, transporter container)
- 4.13 Request of cryoprecipitate.
 - 4.13.1 Blood bank of MCH should to keep good stock of cryoprecipitate from all blood groups at least 5 units from each blood group
 - 4.13.2 If cryoprecipitate not available at MCH we will request from central blood bank of Hafr Albatin it will take about one hour to bring it.
 - 4.13.3 Once request come to blood bank the staff in duty should inform the blood bank supervisor as early as to possible without delay to request it from central blood bank ,if blood bank

- 4.13.3 Once request come to blood bank the staff in duty should inform the blood bank supervisor as early as to possible without delay to request it from central blood bank ,if blood bank supervisor not reply ,he have to arrange with hospital PRO in duty to contact with head of central blood bank
- 4.13.4 Average volume 20-30ml.
- 4.13.5 Requires 30 minutes' notice for thawing.
- 4.13.6 Commence transfusion within 30 minutes of product receipt and complete transfusion within 4 hours of spiking pack.
 - 4.13.6.1 Usually infused in a volume of 5ml/kg

5. MATERIALS AND EQUIPMENT:

5.1 N/A

6. RESPONSIBILITIES:

- 6.1 All Blood Bank Staff
- 6.2 Blood Bank supervisor.
- 6.3 Blood Bank Physician.
- 6.4 Doctors
- 6.5 Nurses

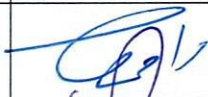





7. APPENDICES:

7.1 N/A

8. REFERENCES:

- 8.1 Guidelines for Good Clinical Laboratory Practices, ICMR, New Delhi, 2008.
- 8.2 Quality management system: qualifying, selecting, and evaluating a Referral laboratory; approved guideline -2ed.
- 8.3 Good Manufacturing Practice for Blood Establishments, Version 2.0, May 2019, Saudi FDA.

9. APPROVALS:

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