

Fauquier County Department of Fire Rescue

OPERATING PROCEDURE

No. 312



Blood Product Maintenance

Effective Date: February 19, 2021
Revision Date:

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Forms:

Approved By: Darren L. Stevens, Fire Rescue Chief

PURPOSE

To provide guidelines for the maintenance and acquisition of blood from the INOVA Blood donor services.

EQUIPMENT

The following equipment is utilized to maintain the supply of blood on each EMS Supervisor vehicle:

1. HemoRoam 5x refrigerator manufactured by Roemer Industries with temperature monitoring/alerting via cellular modem
2. Each EMS Supervisor vehicle carries one (1) QinFlow Warrior fluid warming device
3. The vehicle is temperature controlled and locked in order to maintain security when it is left unattended. Access to the vehicle is limited to the personnel that are assigned to the vehicle that shift.

I. PROCEDURE

A. Storage of Whole Blood

1. All blood not currently being transfused will be housed in a HemoRoam 5x refrigerator and maintain a storage temperature between 2° - 6° Celsius in accordance with applicable FDA regulations.
2. Consistent temperature monitoring will be achieved with the HemoRoam 5x refrigerator with the capability of recording temperatures at programmed intervals (5 minutes) and sending out alerts via text message when the temperature reaches a certain set points (2° and 6° Celsius).
3. In addition to utilizing the HemoRoam 5x refrigerator to monitor temperature, EMS Supervisors will also inspect the temperature dot on each unit of blood to ensure the temperature dot is intact and indicating appropriate temperature at the beginning of each shift.
4. If the temperature monitoring dot indicates excess warmth OR if recorded temperature falls outside the accepted range (1-10° Celsius for greater than 30 minutes), the EMS Supervisor

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will contact the Operational Medical Director and make arrangements to return the blood to Inova Blood Donor Services immediately. Note this temperature range is different than the goal for storage of 2-6° Celsius.

- 5. Blood products will not be stored in the same compartment with food or drink.

B. Exchange of Whole Blood

- 1. Blood will be exchanged with Inova Blood Donor Services every two weeks. Exchanges will occur on Wednesday's between 1000-1400. The address for Inova Blood Donor Services is:

Inova Blood Donor Services
45745 Nokes Boulevard, Suite 160
Sterling, VA 20165

- 2. The following personnel are authorized to exchange or replace blood:
 - i. EMS Supervisors/EMS Supervisor Fill-Ins
 - ii. Battalion Chief
 - iii. Battalion Chief of EMS
 - iv. Fauquier Fire Rescue Logistics personnel
- 3. When whole blood is administered in the field, contact will be made with Logistics personnel in order to facilitate resupply. The EMS Supervisor will then contact Inova Blood Donor Services to replace the units administered. Their phone number is (571) 434-3614 . Units will be replaced at Inova Blood Donor Services, which has 24 hour, 365 day operations. Personnel will proceed to the rear of the building and utilize the entrance displayed in the pictures below.

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4. Personnel will utilize the callbox on the outside of the building to alert the staff in the facility to their arrival.
5. Personnel will bring the HemoRoam 5x refrigerator in with them to receive new units of blood. Paperwork that was issued with any units of blood used on scene of an incident will need to be completed and returned with the necessary signatures. Personnel will sign-out any newly issued units of blood from the staff at Inova Blood Donor Services.
6. Usage of blood and/or exchange should be noted in PSTrax under the EMS Supervisor journal

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