**Purpose**

To provide instruction for ordering, receiving and processing Low Titer Plasma (LTP) for use in transfusion services laboratory.

**Policy**

Low Titer Plasma will be received and used by Harborview Medical Center Transfusion Services as part of the inventory. Product will primarily be used for trauma and massive transfusion response in place of Group AB plasma.

**Indications**

* Treatment of patients undergoing massive transfusion due to life threatening trauma/hemorrhages.

**Contraindications**

* Limit transfusion of LTP to less than 10 units in adult patients, if possible
* Infants and small children: use of LTP should be minimized. Notify Medical Director as soon as possible.
* Initial response from TSL should be no more than 6 units of LTP plasma.
* Subsequent transfusion of LTP to a non-group compatible patient (beyond 10 LTP in an adult patient) should be performed after consultation with the TS Lead, Manager, and/or Medical Director.
* Any evidence of hemolysis is to be immediately investigated and reported to the Medical Director or Resident/Covering Physician.

**Procedure**

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| **Step** | **Action** | **Related Documents** |
| 1 | Order Low Titer Plasma (LTP) as needed.* Order Distribution Report will include statement of “Low Titer Plasma”.
* Units will be tagged with a “Low Titer Plasma” sticker.
 | Inventory Management Policy |
| 2 | Perform Blood Product Entry upon arrival at TSL:* Add “Special Test” ***LTP***
* ***Note:*** *Special Test LTP will also populate the Ag/Aby field*
 | * Receiving Blood Products into Inventory
* Blood Product Entry in Sunquest
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| 3 | **Frozen LTP:*** Store in designated area for LTP
* Thaw per SOP.
* Perform Label Verification for Low Titer Plasma sticker and SQ Attribute
 | * Blood Product Storage Policy
* Preparation of Thawed Plasma in SQ
* Blood Label Check and Verification
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| **Step** | **Action** | **Related Documents** |
| 4 | **Liquid LTP:*** Process per SOP.
 | Receiving and Processing Liquid Plasma |
| 5 | **Use of Low Titer Plasma (LTP)*** Trauma Packs
* AirLift Northwest coolers
* Emergency Department Refrigerator stock
* Patient orders
 | * Stock Trauma Pack Maintenance
* Management of the Emergency Department Refrigerator
* AirLift Northwest
* Selection of Platelets, Plasma, and Cryoprecipitate
 |
| 6 | **Blood Order Processing:**Allocation of ABO incompatible LTP will require overrides. | SQ Blood Order Processing |

References

Circular of Information for the Use of Human Blood and Blood Components, revised November 2013.

AABB Standards for Blood Banks and Transfusion Services, Current Edition.