**Purpose**

To provide instruction for ordering, receiving and processing Low Titer Platelets (LTPLT) for use at HMC Transfusion Services Laboratory (TSL).

**Policy**

Low Titer Platelets 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 when no ABO testing has been performed on the patient. Bloodworks Northwest will test group O single donor apheresis platelets for anti-A and anti-B high titers >1:150. Platelets that test as negative will be labeled as “No High Titer Antibody to A and/or B antigens Detected”

**Indications**

* Treatment of patients undergoing massive transfusion due to life threatening trauma/hemorrhages
* Treatment of patients whose ABO is unknown
* Utilized as regular stock for patients whose ABO is known

**Contraindications**

* Any evidence of hemolysis is to be immediately investigated and reported to the Medical Director or Resident/Covering Physician.
* TSL Medical Director approval required for patients with specific platelet type requirements such as bone marrow transplants

**Procedure**

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| **Step** | **Action** | **Related Documents** |
| 1 | Order Low Titer Platelets (LTPLT) as needed.   * Units will be tagged with a “No high titer antibody to A and/or B antigens detected” sticker. | Inventory Management Policy |
| 2 | Perform Blood Product Entry upon arrival at TSL:   * Click on “Ag/Ab/Attributes tab * In box for “Antigen/Antibody”, add ***LTPLT*** | Receiving Blood Products into Inventory  SQ Blood Product Entry |
| 3 | **Low Titer Platelets:**   * Perform visual inspection | SQ Blood Product Testing  Visual Inspection of Plasma Products |
| 4 | **Use of Low Titer Platelets (LTPLT)**   * Trauma Pack * Patient orders | Stock Trauma Pack Maintenance  Selection of Platelets, Plasma, and Cryo |
| **Step** | **Action** | **Related Documents** |
| 5 | **Blood Order Processing:**   * Allocate per policy | SQ Blood Order Processing |
| 6 | **Blood Product Issue**   * Process per SOP | SQ Blood Product Issue |

**References**

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

Standards for Blood Banks and Transfusion Services, Current Edition. American Association of Blood Banks. AABB Press, Bethesda, MD.