**Purpose:**

This procedure provides instructions for using the Blood Product Testing (BPT) function in Sunquest, to retest blood types for red blood cell and granulocyte products coming into Transfusion Service inventory, converting units from unprocessed to available inventory. This SOP is to be used in conjunction with “Sunquest: Blood Product Entry”.

**Method**

|  |  |  |
| --- | --- | --- |
| **Step** | **Actions** | **Related Documents** |
| 1 | Enter units into inventory  | Sunquest: Blood Product Entry |
| 2 | Place units into correct storage locations* Place red blood cells products in refrigerator on specified unprocessed shelves.
* Granulocytes will be placed at room temperature on the platelet incubator #1 with no agitation
 | Blood Product Storage Policy |
| 3 | In small batches remove products from refrigerator.* Remove segments.
* 2 segments for retention
* Label with Unit number sticker
* Place in dated storage bag for retention.
* 1 segment for the ABORH retype.
* Label with Unit number, adding a 1 or 2 if necessary for container type.
* Place red cell units back into the refrigerator.
* Granulocytes- pull one segment for type confirmation and retain one segment for storage
 | Sample and Unit Segment Management Process |
| 4 | Type Confirmations on Tango* Only use for red cell products
* If both container 1 and container 2 products are received perform the recheck of both containers by hand.
 | Tango Sample requirements and preparation |
| 5 | Using Blood Bank Instruments function; validate results as they come off the Tango | Tango accepting and Clearing Results in SQ |
| **Step** | **Actions** | **Related Documents** |
| 6 | Type Confirmations—Manual Tube Method* Manual testing can be performed on red cell and granulocyte products
 | Unit Type Confirmation Using Tube Method  |
| 7 | Enter results in BPT, using the Worklist Mode. * Scan in the unit number
* Click on “Add” button on screen, to create list, or use the Worklist number generated upon entry of units into inventory.
* When list is complete, click on “Continue” button on screen.
* The first unit number will appear in the testing area of the screen.
* Confirm unit number in gray header before entering results.
* Use the Home key to get to the grid for entering ABO/RH results.
* All reaction fields in the grid must be resulted.
* Use ND (not done) for any tests not performed.
* Enter ND for the Rh on all positive units, as Rh confirmation is not done on Rh Pos units.
 | Blood Product Entry in SunquestUnit Type Confirmation Using Tube Method |
| 8 | Enter single results that did not cross over from Tango to Sunquest* Using the Journal Worksheet from the Tango manually enter the results.
* Enter ND for any tests not performed
* Add a test to the unit by tabbing to the field under ABORH and entering ;BBCS (Blood Bank Comment Suppressed) to leave a notation that the test came from Tango results.
 | Tango Accepting and Clearing results in SQ |
| 9 | Ensure all units have been properly typed and ready for placement into inventory.* Open the Blood Bank Inventory/Supplier Search function.
* Enter H for HID and RBCG for Component Type.
* In Search Mode select Unprocessed and click on “Search”
* If no units are located in the unprocessed inventory, testing is completed.
* If there are units remaining in unprocessed inventory, reconcile the worklist to make sure all tested units have been resulted.
* Remove units from the unprocessed inventory area in the refrigerator, and place them in the available inventory area.
 | Blood Product Storage Policy |

**References:**

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

Blood Bank User Guide, Misys Laboratory version 8.1