**Purpose**:

To document process for completing pre-transfusion testing and applicable compatibility testing for the issue of blood products

**Process:**

|  |  |  |
| --- | --- | --- |
| **Step** | **Action** | **Related Documents**  |
| 1 | Perform clerical check and resolve any discrepancies:* Specimen label against request and computer entry
* Determine specimen acceptability
* Samples from patients transfused or pregnant within the past 3 months may be used for 3 days with date of collection being day zero
* Samples from patients meeting the preadmission requirements may be used for 30 days or 3 days post-surgery, whichever is sooner.
 | Sample Acceptance Evaluation |
| 2 | Confirm processes and attributes:* on the blood request are entered into the patient computer record
* on the patient computer record are recorded on the blood request
 | Blood Order Processing |
| 3  | Review Patient Comments * Determine if autologous or directed components are available.
 | Blood Order Processing |
| 4 | Complete patient specimen test “History Check”. |  |
| 5 | Determine applicable testing profile* 2nd ABO/D from separate collection required on patients >4 months of age with Unknown blood type or no serologic result history of previous ABO/D testing
* Previous antibody screen results
* Autologous battery: go to Autologous Process
 | Blood Order ProcessingAutologous Process |
| **Step** | **Action** | **Related Documents** |
| **6** | Perform Indicated testing:* ABO/Rh
* Antibody Screen
 | ABO/D by Tube IAT MethodTANGO Initializing RunsTANGO Validation and Export of ResultsAntibody Screen by Tube IAT Method |
| 7 | Select appropriate donor units in this order:* Autologous
* Directed
* Allogeneic
 | Autologous ProcessDirected Process |
| 8 | Allocate selected units to order |  |
| 9 | Perform applicable crossmatch test. * Electronic – Sunquest will allow if the following criteria are met:
* ABO/D from 2 independent collections
* Negative Antibody History
* Negative Screen on current sample
* Antiglobulin—Use same method used for ABID
* Immediate Spin
* Computer Down
* No second Sample can be drawn, i.e patient was discharged or expired prior to second sample collection.
* Patient with clinically insignificant antibodies.
 | Crossmatch by Immediate Spin Tube MethodCrossmatch by LISS Tube IATCrossmatch by PEG Tube IATCrossmatch by Pre-Warm Tube IAT Method |
| 10 | Inspect unit and complete unit test “TS”:* Acceptable: continue to next step
* Unacceptable: Remove unit from order and quarantine.
 | Visual Inspection of Blood ProductsQuarantining Blood ProductsSunquest Blood Status Update |
| 11 | Transfusion Record will print | HMC2536 |
| 12 | Review Transfusion Record Form for legibility and completeness of the following:* Patient Name, HID, ABO/Rh, Antibody Screen results, Atypical Antibodies, Special requirements, Crossmatch Test Results
* Unit Number, ABO/Rh, Product description, Crossmatch expiration date, Special attributes, Atypical Antigen typing
 |  |
| **Step** | **Action** | **Related Documents** |
| 13 | Remove adhesive label containing the Patient and Unit Information from the Transfusion Record form, and affix it to unit back side.* Attach Transfusion Record Form to the unit with a rubber band.
 |  |
| 14 | Store crossmatched unit(s) not requested for immediate issue. |  |

**References:**

AABB Standards for Blood Banks and Transfusion Services, Current Edition

*Blood Bank User’s Guide, Misys Laboratory*