**Purpose**:

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

**Process:**

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| --- | --- | --- |
| **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 Processing  Autologous Process |
| **Step** | **Action** | **Related Documents** |
| **6** | Perform Indicated testing:   * ABO/Rh * Antibody Screen | ABO/D by Tube IAT Method  TANGO Initializing Runs  TANGO Validation and Export of Results  Antibody Screen by Tube IAT Method |
| 7 | Select appropriate donor units in this order:   * Autologous * Directed * Allogeneic | Autologous Process  Directed 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 Method  Crossmatch by LISS Tube IAT  Crossmatch by PEG Tube IAT  Crossmatch 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 Products  Quarantining Blood Products  Sunquest 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*