**Purpose**: To outline process of pre-transfusion testing and applicable compatibility testing for issue of directed donor blood components containing greater than 2ml of red cells (i.e. RBC or granulocyte units).

**Process:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | | **Action** | **Related Documents Title** |
| **1** | * Perform clerical check and resolve any discrepancies: * Check specimen label against request and computer entry | * Order Entry in Sunquest |
| **2** | * Determine specimen acceptability | * Specimen Acceptance Evaluation |
| **3** | * Confirm that 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 Entry in Sunquest |
| **4** | * Review Patient Comments and note entry of patient date of surgery (DOS) to confirm when units are needed. * Continue with this procedure if Directed Donor units are ordered. | * Blood Order Entry in Sunquest |
| **5** | * Look for evidence of received Directed Donor RBC units on this patient. * Granulocyte products must be expedited immediately due to the short expiration date. Prioritize this unit crossmatch and its allocation process above other routine work. * All Directed Donor products (RBCs or Granulocytes) should be irradiated. If received without irradiation, contact supplier. * If units were received before specimen drawn, and patient had an HID at that time, units should appear in BBI under “Auto/Directed Donor” tab. * If units were received before specimen draw, but no HID was created, units will be entered into Sunquest but will not appear linked to a patient account. Check for this possibility by looking for patient name on Auto/Directed Donor communication board and on Auto/Directed Donor Quarantine blood shelf. |  |
| **6** | * + Determine applicable testing profile   + Confirm order of TSCR or TXM Test Battery.   + All Directed Donor units must be crossmatched using same criteria as homologous donors (either electronic serologic, depending on patient antibody status).   + 2nd ABO/D required on patients with Unknown blood type or no serologic result history of previous ABO/D testing | * + Policy for the Provision of Crossmatch Compatible Blood |
| **7** | * + Adjust test profile, if needed. |  |
| **8** | * + Select test profile in BOP. |  |
| **9** | * + Review Units Ordered field for accuracy and adjust if needed. |  |
| **10** | * + Complete patient specimen test “History Check”. |  |
| **11** | * + Perform indicated testing and enter reaction results and interpretations:   + ABO/D on patient   + AS on patient   + Unit crossmatch, if indicated. | * ABO/D by Tube Method * ABO/D by Automated Method * Antibody Screen by IAT Tube Method * Antibody Screen by IAT Automated Method * Crossmatch by Immediate Spin Tube Method * Crossmatch by LISS Tube IAT Method |
| **12** | * + Select appropriate donor units in this order:   + **If only Directed Donor units are ordered,** proceed to unit allocation.   + **If multiple donor source units are ordered,** follow setup and issue in this order:   + **Autologous** are always issued first   + **Directed donor units** are issued after autologous.   + **Allogeneic** units are issued third, autologous and directed donor units. |  |
| **13** | * + Allocate selected directed units for patient.   + Review test reactions and inspect unit. Complete unit TS field:   + If acceptable for transfusion, enter OK (refer to character keyboard); continue to next step   + If unacceptable for transfusion, enter Not OK (keyboard); remove unit from order and quarantine | * Visual Inspection of Blood Products * Quarantine of Blood Products |
| **14** | * + If additional units (e.g. allogeneic) are needed to be crossmatched for this patient, refer to applicable procedures and processes. | * Compatiblity Process |
| **15** | * + Bag tag clerical check.   + Review Transfusion Tag for legibility and completeness; compare to testing computer record. Complete CLCKA (Clerical Check) field:   + If acceptable for accuracy, enter OK (refer to character keyboard); continue to next step   + If unacceptable for accuracy, resolve discrepancy with correct tags or enter Not OK (keyboard); remove unit from order and quarantine. Contact supplier if error appears to be on unit label. |  |
| **16** | * + Attach Transfusion Tag to unit. |  |
| **17** | * + Complete BOP entry with Save. If unit is a Granulocyte or RBC requested for immediate issue, choose “Issue”. If not issued immediately after testing, select “No”. |  |
| **18** | * + Store Directed Donor RBC units (and allocated RBC) unit(s) not requested for immediate issue. |  |

**References:**

Blood Bank User’s Guide, Misys Laboratory

AABB Standards for Blood Banks and Transfusion Services, Current Edition