**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