**Purpose**: This document describes the process of Emergency Release of Red Blood Cell (RBC) components when the patient’s status requires release of RBCs prior to completion of compatibility testing.

**Process:**

|  |  |  |
| --- | --- | --- |
|  | **Action** | **Related Documents**  |
| **1** | * Perform clerical check and resolve any discrepancies:
* Specimen label against request and computer entry
 | * Blood Bank Inquiry
* Order Entry in Sunquest
 |
| **2** | * Determine specimen acceptability.
 | * Sample Acceptance Evaluation
 |
| **3** | * Confirm that processes and attributes on the:
* Blood request are entered into the patient computer record
* Patient computer record information is recorded on the blood request
 | * Order Entry in Sunquest
 |
| **4**  | * Review Patient Comments.
* Determine if autologous or directed components are available.
 | * Blood Order Processing in Sunquest
 |
| **5** | * Complete patient specimen test “History Check”.
 |  |
| **6** | * Determine applicable testing profile
* 2nd ABO/D required on patients with Unknown blood type or no serologic result history of previous ABO/D testing
* Previous antibody screen results
* Autologous battery: go to Autologous Process
 | * Auto Unit Allocation Process
 |
| **7** | * Adjust test profile.
 |  |
| **8** | * Complete ABO/D testing.
* Set up antibody screen.
 | * ABO/D by Tube Method
* ABO Discrepancy Resolution
* Antibody Screen by LISS Tube IAT
* Antibody Screen by Automated Method
 |
| **9** | * Select appropriate donor units in this order:
* **Autologous** are always sent first
* **Directed** are sent next
* **Allogeneic** units are 3rd choice
 | * Selection of Red Cell Units
* Autologous Process
* Directed Process
 |
| **10** | * Allocate selected units.
 |  |
|  | **Action** | **Related Documents**  |
| **11** | * Add unit test: CM (unit tag comments)
* Result CM: EMERGENCY RELEASE
 |  |
| **12** | * Inspect unit and complete unit test “TS”:
* Acceptable: continue to next step
* Unacceptable: Remove unit from order and quarantine.
 | * Inspection of Blood Components
* Quarantine
 |
| **13** | * **SAVE.** Branch to BPI appears in pop-up window
 |  |
|  **14** | * Click Emergency Issue to print Transfusion Record Form.
* Review Transfusion Record Form for legibility and completeness.
* Apply UNXM sticker to HMC Transfusion Record
* Complete Blood Product Issue:
	+ Have Lead Technologist/Technologist in charge Override QA warnings: “Patient specimen testing complete” and “Unit Allocation Testing Override Comment required:
	+ EMR (Emergency release, UNCROSSMATCHED)
		- Apply Unit Tag (Transfusion Record form) to unit.
 | * Blood Product Issue
* Transfusion Record Form
 |
| **15** | * Apply UNXM sticker to unit
 |  |
|  **16** | * Complete Physician Acceptance form.
* Timestamp BCR and transport units to patient care area.
 | * Request for Urgent Blood Product Release Form
 |
| **17**  | * Complete antibody screen.
 | * Antibody Screen by LISS Tube IAT Method
* Problem Resolution
 |
| **18**  | * Perform applicable crossmatch test
* Antiglobulin
* Immediate Spin
 | * Crossmatch by LISS Tube IAT
* Crossmatch by Tube IS
 |
| **19** | * Allocate unit.
 |  |
| **20** | * Add unit test: CM (unit tag comment)
* Result CM: Post-Issue crossmatch
* Add unit Test UR and reprint the Unit Tag.
 |  |
| **21** | * Unit tag will print. File unit tag for pick up and scanning by HIM
 |  |
| **19**  | * File PA form.
 | * Request for Urgent Blood Product Release Form
 |
| **20**  | * Store patient sample
 |  |

**References:**

Standards for Blood Banks and Transfusion Services, Current Edition. American Association of Blood Banks. AABB Press, Bethesda, MD.

Blood Bank User’s Guide, Misys Laboratory