**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:**

|  |  |  |
| --- | --- | --- |
| **Step** | **Action** | **Related Documents**  |
| 1 | Perform clerical check and resolve any discrepancies:* Specimen label against request and computer entry
 | Blood Bank InquiryOrder 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 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
 | Auto Unit Allocation Process |
| 7 | Adjust test profile. |  |
| 8 | Complete ABO/D testing.* Set up antibody screen.
 | ABO/D by Tube MethodABO Discrepancy Resolution Antibody Screen by LISS Tube IATAntibody 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 Blood Cell UnitsAutologous ProcessDirected Process |
| 10 | Allocate selected units. |  |
| **Step** | **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.
 | Visual Inspection of Red Cell ProductsQuarantine of Blood Products |
| 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 FormHMC2536 |
| 15 | Apply UNXM sticker to unit |  |
| 16 | Complete Urgent Blood Product Release form.* + - Select applicable situation, use other for further explanation
* 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 MethodProblem Resolution  |
| 18 | Perform applicable crossmatch test* Antiglobulin
* Immediate Spin
 | Crossmatch by LISS Tube IATCrossmatch by PEG Tube IATCrossmatch 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 form. | Request for Urgent Blood Product Release Form |
| 20  | Store patient sample | Sample and Unit Segment Management Process |

**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