**Requisition and Selection of Blood and Blood Components**

**Policy Number:** 3364-108-302  
**Department:** Pathology/Laboratory – Blood Bank  
**Approving Officer:** Chief Executive Officer – UTMC  
**Associate Professor, Director, Clinical Pathology/Hematopathology**  
**Responsible Agent:** Core Lab Manager (Michelle Bartkowiak, MT(ASCP)SBB)  
**Administrative Director, Lab (Cynthia O’Connell)**  
**Scope:** Pathology/Laboratory – Blood Bank

<table>
<thead>
<tr>
<th>New policy proposal</th>
<th>Major revision of existing policy</th>
<th>Minor/technical revision of existing policy</th>
<th>Reaffirmation of existing policy</th>
</tr>
</thead>
</table>

**Effective Date:** 3/01/2017  
**Initial Effective Date:** 10/1986

(A) **Policy Statement**

The Blood Transfusion Service has organized a system for the requisition and selection of blood and blood components.

(B) **Purpose of Policy**

To provide safe and appropriate blood and blood components with a minimum turnaround time.

(C) **Procedure**

**Section 1: Request for Blood Transfusion**

All orders for Crossmatch, Type&Screen or blood component transfusion must be written on a "Request for Blood Transfusion" form or entered into HIS/LIS. Orders for Blood Transfusion Service tests must be entered into the hospital computer system by clinical staff to ensure specimen collection. Patient first and last names and patient identification number must be included on the “Request for Blood Transfusion” or specimen collection list to ensure positive patient identification when the specimen is collected. The request must also state the type and amount of component needed, the date of request/ date of need, and identify the requesting physician. BTS staff may take telephoned or verbal orders and document the request including the patient ID, ordering physician, blood order, and person making the request on the Telephone Request Log in the Blood Bank and enter the orders into BBIS.

**Section 2: Turn-around-time**

All STAT orders for blood products and testing should be completed within 40 minutes of specimen receipt. Routine orders for crossmatch should be completed within four hours. Notify the nursing unit when blood products requested STAT are available. Record the time and the person contacted in the LIS report. If there is an unusual delay in the availability of a blood product, notify the Blood Transfusion Service Medical Director and the nursing unit.

**Section 3: Use of Blood and Blood Components**

- *Red Blood Cell Products - AS-1 or AS-3 Red Blood Cells (Adenine-Saline added), Leukocyte-reduced (pre-storage) or CPD Red Blood Cells are routinely used for all RBC orders. IBM washed RBC are available only by special order with advanced notice. Orders for washed cells must be verified and approved by the BTS Medical Director. Packed red blood cell recipients shall receive ABO group-compatible Red Blood Cells. Rh negative recipients should receive Rh negative Red Blood Cells unless inventory levels dictate the use of Rh positive Red Blood Cells for male recipients and women over child-bearing age (50). Rh positive recipients may receive Rh positive or Rh negative Red Blood Cells.*
# DONOR-RECIPIENT COMPATIBILITY

<table>
<thead>
<tr>
<th>ABO Type -(Recipient)</th>
<th>Type-compatible RBC (Donor)</th>
<th>Type-compatible Plasma (Donor)</th>
</tr>
</thead>
<tbody>
<tr>
<td>O</td>
<td>O</td>
<td>O,A,B,AB</td>
</tr>
<tr>
<td>A</td>
<td>A,O</td>
<td>A,AB</td>
</tr>
<tr>
<td>B</td>
<td>B,O</td>
<td>B,AB</td>
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<tr>
<td>AB</td>
<td>AB,A,B,O</td>
<td>AB</td>
</tr>
<tr>
<td>Unknown</td>
<td>O (Rh negative if available and appropriate)</td>
<td>AB</td>
</tr>
</tbody>
</table>

**Approved by:**

Robert L. Booth, Jr., M.D.  
Associate Professor  
Director, Clinical Pathology/Hematopathology  

Date: [Signature]

Daniel Barbee, RN, BSN, MBA  
Chief Executive Officer - UTMC  

Date: [Signature]

**Review/Revision Completed By:**  
Michelle Bartkowski, MT(ASCP)SBB

**Review/Revision Date:**

6/96  6/9/2008  
1/98  3/22/2011  
3/99  3/01/2013  
3/2/2015  
3/1/2017  
1/05  
7/06  
1/2008

**Next Review Date:** 3/1/2019