



University of Washington Medical Center  
1959 NE Pacific Street. Seattle, WA 98195  
Transfusion Services Laboratory  
Policies and Procedures Manual

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**TITLE: Providing Blood Components and Managing the HaemoBank at Northwest Campus**

**PURPOSE:**

This procedure outlines the policies and procedures to provide blood components to Northwest Campus and management of the HaemoBank refrigerator.

**LOCATION**

Montlake Transfusion Service Laboratory (TSL)  
Northwest Transfusion Support Service (TSS)

**PRINCIPLE & CLINICAL SIGNIFICANCE:**

The TSL stores blood components at NW TSS for allocation and issue at Northwest Campus - refer to SOP ***Blood Storage and Inventory Management at Northwest Inventory*** for component type and par levels.

The HaemoBank at Northwest Campus is a blood storage refrigerator electronically connected via BloodTrack Manager Software to the Laboratory Information System (LIS) SQ via a one-directional print capture interface (PCI). The interface allows communication from SQ to the HaemoBank to remotely allocate RBCs stored in the HaemoBank. Alternately, RBC components allocated from inventory at Montlake TSL may be sent to NW TSS and loaded in the HaemoBank for issue by NW TSS.

Product orders print simultaneously at Montlake and NW campus or if placed on manual requisitions the NW TSS will fax a copy to Montlake. If the order is for a frozen component, NW TSS thaws, performs Blood Component Preparation and relabels the product using SQ. After processing, TSS contacts Montlake for allocation to the patient initiating printing of a SQ Transfusion Record at NW. Montlake allocates stock platelet at NW campus using the same process.

When RBCs are ordered, Montlake staff verifies patient history and remotely allocates RBC(s) from HaemoBank stock. The Transfusion Record does not print until the RBC is issued. If an RBC meeting the patient's requirements is not available in the HaemoBank, a RBC will be allocated from Montlake stock, labeled with the SQ Transfusion Record that prints and shipped to NW TSS to store in the HaemoBank until issue.

**POLICIES:**

- Blood component inventory at Northwest TSS is available at SQ inventory location **NWBB**
- There are two different SQ locations for allocating blood from Northwest campus inventory:
  - SQ location **NWBB** to allocate RBCs stored in the HaemoBank refrigerator via the PIC interface with BloodTrack
  - SQ location **NWBB2** to allocate blood components that are not stored in the HaemoBank. This includes platelets, plasma, cryoprecipitate and any components stored in Northwest's backup blood refrigerator

- **Transfusion Records**
  - Two Transfusion Records are in use at the Northwest Campus – refer to [Appendix B](#)
    - **HaemoBank Transfusion Record UH3919** – used with RBCs that are allocated to the patient from stock stored in the HaemoBank
    - **SQ Transfusion Record UH3363** – used for platelet and plasma components and RBC allocated from Montlake inventory before being sent to Northwest TSS
- **PATIENTS ELIGIBILITY FOR REMOTE ALLOCATION FROM THE HAEMOBANK**
  - Patients must meet specific requirement for RBC orders to be filled remotely from stock stored in the HaemoBank
  - RBC orders for patients not eligible for remote allocation will be filled from Montlake stock and shipped to Northwest TSS. TSS will load these into the HaemoBank until requested for issue. While these RBCs can be stored in the HaemoBank, these patients are not considered to be remote allocation eligible
  - Table1 lists the eligibility requirements for patient to qualify for remote allocation from HaemoBank stock. **ALL** eligibility conditions listed must be met to qualify. If any condition in the ineligibility column exists, the patient is ineligible

**Table 1: Recipient Eligibility Requirements for HaemoBank Remote Allocation**

Recipient Requirements	
ELIGIBLE	INELIGIBLE
<ul style="list-style-type: none"> <li>• Two consecutive concordant ABO/Rh results from testing performed by Montlake TSL                             <ul style="list-style-type: none"> <li>○ One from an in-date eligible battery (TSCR, TSCREX, TXM)</li> <li>○ Second ABO/Rh from an independent collection with testing performed</li> <li>○ Current antibody screen is negative</li> <li>○ No history of clinically significant antibodies except anti-D or passive transfer anti-D (i.e. RhoGAM).</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Incompatible crossmatch</li> <li>• Red cell exchange</li> <li>• NTD ABO/Rh in SQ</li> <li>• Clinically significant antibodies or antigen matched for which appropriate red cell components are not available in the HaemoBank</li> <li>• Special Washed</li> <li>• Autologous if patient history does not allow remote allocation</li> </ul>

- **Releasing RBC Stored in HaemoBank from Allocation**
  - **BloodTrack Dereservation Date** for RBC components is the same as crossmatch expiration in SQ. Once the dereservation date has passed and unit status in BloodTrack is:
    - 'Assigned' RBCs must be unassigned in BloodTrack and released in SQ.
    - 'Available" RBCs with associated patient ID in BloodTrack must be removed from the HaemoBank by the Northwest TSS and returned to Montlake
  - RBCs removed from the HaemoBank as emergency and returned unused to the HaemoBank must be returned to ML campus for release to inventory
  - RBCs sent from ML campus as allocated with an attached Transfusion Record UH3363 and loaded into the HaemoBank must be returned to ML campus for release to inventory
- **Monitoring HaemoBank Inventory**
  - An **Inventory Report for HaemoBank Refrigerator** should be printed at the beginning of each work shift and reprinted as inventory changes throughout the shift
  - Use the Inventory **Report for HaemoBank Refrigerator** to remotely allocate RBCs from the HaemoBank by scanning the donor identification number printed on report

- **HaemoBank Alerts:** The HaemoBank has built alerts to notify user via BloodTrack for a variety of reason. Appendix A – Systems Alerts is a complete list of possible alerts. Some will never be seen given the software, hardware and configuration in use.
  - Alerts must be acknowledged and resolved, as soon as possible
  - Any alerts that occur during a work shift are acknowledged and resolved prior to the end of shift. Any alerts not resolved are documented on the communication log and verbally reviewed with the tech in charge on the next shift before leaving for the day
  - TSL Operation or QARA manager should be notified immediately when any alert that may result in harm to a patient or blood component cannot be resolved according to current Good Manufacturing Practices and the TSL Quality Plan.

**REAGENTS/SUPPLIES/EQUIPMENT:**

Reagents:	Supplies:	Equipment:
NA	NA	<ul style="list-style-type: none"> <li>• Sunquest LIS</li> <li>• BloodTrack Manager</li> </ul>

**QUALITY CONTROL:**

NA

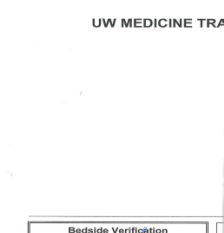
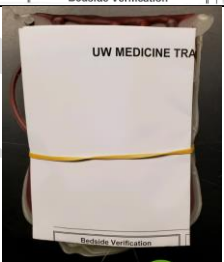
**INSTRUCTIONS:**

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**Preparing Blood Components to Ship to NW TSS**


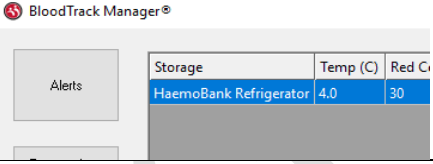
STEP	ACTION	
<b>1</b>	<b>If component is</b>	<b>Then</b>
	HaemoBank RBC stock	Go to next step
	<ul style="list-style-type: none"> <li>• Stock Platelets</li> <li>• Stock frozen plasma</li> <li>• Stock frozen cryoprecipitate</li> </ul>	<ul style="list-style-type: none"> <li>• Do NOT attach a Transfusion Record to the component</li> <li>• Move the component in SQ to 'in-transit' status to location NWBB SQ location– refer to SOP <b><i>Packing and Shipping Blood Components</i></b></li> <li>• Pack and send to NW TSS</li> </ul>
	Any component allocated from Montlake inventory	<ul style="list-style-type: none"> <li>• Attach the <b><i>SQ Transfusion Record UH3363</i></b> and <b><i>Unit Compatibility Label</i></b> to the component per SOP <b><i>Attaching the Transfusion Record to Blood</i></b></li> </ul>

STEP	ACTION	
		<p><b>Components</b></p> <ul style="list-style-type: none"> <li>Move the component in SQ to 'in-transit' status to location <b>NWBB</b> SQ location– refer to SOP <b>Packing and Shipping Blood Components</b></li> <li>Pack and send to NW TSS</li> </ul>
<b>2</b>	<p>Fold a blank <b>HaemoBank Transfusion Record UH3919</b> in a manner with the top left quadrant facing out</p>	
<b>3</b>	<p>Attach a folded record to each RBC with a rubber band so the top left quadrant is facing out</p>	
<b>4</b>		<ul style="list-style-type: none"> <li>Move the component in SQ to 'in-transit' status to location <b>NWBB</b> SQ location– refer to SOP <b>Packing and Shipping Blood Components</b></li> <li>Pack and send to NW TSS</li> </ul>

**Allocating Plasma and Platelet Components at Northwest**

STEP	ACTION	
<b>1</b>	<p>Receive Product Order:</p> <ul style="list-style-type: none"> <li>Electronic orders print on UW ML printer</li> <li>Manual Requisition faxed from NW TSS</li> </ul>	
<b>2</b>	<b>If order is for</b>	<b>Then</b>
	Platelet	Go to step 4
	Plasma or cryoprecipitate	Go to next step
<b>3</b>	<ul style="list-style-type: none"> <li>Receive call from NW TSS with the following information: <ul style="list-style-type: none"> <li>Patient Medical Record Number</li> <li>Full Patient Name as it appears on the order</li> <li>Type of component</li> <li>Unit number of the component</li> </ul> </li> <li>Verbally readback of all 4 items to the NW TSS tech</li> </ul>	
<b>4</b>	<ul style="list-style-type: none"> <li>Log into SQ location: <b>NWBB2</b> and allocate the appropriate component - the SQ Transfusion Record will print at NW TSS when allocation is complete</li> </ul> <p>Refer to SOPs: <b>Ordering and Processing Platelets at Northwest Campus, Ordering and Processing Plasma and Cryoprecipitate at Northwest Campus</b></p>	

**Printing *Inventory Report for HaemoBank Refrigerator***– Print at the beginning of each shift and use to remotely allocate components from HaemoBank inventory

STEP	ACTION
1	 Open the BloodTrack Manager application
2	Right click on storage <HaemoBank Refrigerator> 
3	<ul style="list-style-type: none"> <li>Select &lt;Inventory List&gt;</li> <li>Click &lt;Print&gt;</li> <li>Click &lt;OK&gt;</li> </ul> <p><b>NOTE:</b> RBCs with patient ID are already allocated to a patient and are not available for allocation even though Unit Status - available</p>
4	Reprint the report throughout the shift, as needed


**Remote Allocating RBCs from HaemoBank** - Perform when blood component is available in SQ NWBB location and in BloodTrack Manager

STEP	ACTION						
1	Login into SQ location: <b>NWBB</b>						
2	Review patient history to determine if they are eligible for remote allocation from HaemoBank stock <table border="1" style="width: 100%; margin-top: 5px;"> <thead> <tr> <th style="width: 30%;">If</th> <th>Then</th> </tr> </thead> <tbody> <tr> <td>Eligible</td> <td>Go to next step</td> </tr> <tr> <td>Not eligible</td> <td>Allocate RBC from Montlake inventory and ship to NW TSS, SQ location <b>NWBB</b> – refer to SOP <b><i>Packing and Shipping Blood Components</i></b></td> </tr> </tbody> </table>	If	Then	Eligible	Go to next step	Not eligible	Allocate RBC from Montlake inventory and ship to NW TSS, SQ location <b>NWBB</b> – refer to SOP <b><i>Packing and Shipping Blood Components</i></b>
If	Then						
Eligible	Go to next step						
Not eligible	Allocate RBC from Montlake inventory and ship to NW TSS, SQ location <b>NWBB</b> – refer to SOP <b><i>Packing and Shipping Blood Components</i></b>						
3	Refer to SOP <b><i>Selection of Red Blood Cell and Granulocyte Components for Transfusion</i></b> to select the appropriate RBC						
4	Review the <b><i>Inventory Report for HaemoBank Refrigerator</i></b> or BloodTrack Manager to determine if RBC can be allocated from the HaemoBank <table border="1" style="width: 100%; margin-top: 5px;"> <thead> <tr> <th style="width: 30%;">If RBC is</th> <th>Then</th> </tr> </thead> <tbody> <tr> <td>Available</td> <td>Go to next step</td> </tr> <tr> <td>Not Available</td> <td> <ul style="list-style-type: none"> <li>Allocate RBC from Montlake inventory</li> <li>Attach a SQ Transfusion Record and Unit Compatibility Label to the RBC(s)</li> <li>Ship to NW TSS, SQ location <b>NWBB</b> – refer to SOP <b><i>Packing and Shipping Blood Components</i></b></li> </ul> </td> </tr> </tbody> </table>	If RBC is	Then	Available	Go to next step	Not Available	<ul style="list-style-type: none"> <li>Allocate RBC from Montlake inventory</li> <li>Attach a SQ Transfusion Record and Unit Compatibility Label to the RBC(s)</li> <li>Ship to NW TSS, SQ location <b>NWBB</b> – refer to SOP <b><i>Packing and Shipping Blood Components</i></b></li> </ul>
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Available	Go to next step						
Not Available	<ul style="list-style-type: none"> <li>Allocate RBC from Montlake inventory</li> <li>Attach a SQ Transfusion Record and Unit Compatibility Label to the RBC(s)</li> <li>Ship to NW TSS, SQ location <b>NWBB</b> – refer to SOP <b><i>Packing and Shipping Blood Components</i></b></li> </ul>						

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STEP	ACTION
5	<p>Open SQ '<b>Blood Order Processing</b>' application</p> <ul style="list-style-type: none"> <li>• Scan unit# from the inventory report or select from Blood Inventory Search</li> <li>• Perform applicable crossmatch</li> <li>• Click &lt;SAVE&gt;</li> </ul> <p><b>CRITICAL:</b> Do <b>NOT</b> use BloodTrack manager &lt;Assign Unit&gt; function to allocate components</p> <p><b>NOTE:</b> Once allocated, the RBC will now appear as "Assigned" in BloodTrack Manager inventory and the patient ID will display</p>

**Releasing Assigned/Allocated RBCs in HaemoBank – Component was allocated from HaemoBank stock and never issued**

STEP	ACTION
1	Open BloodTrack software  from Citrix Receiver
2	<ul style="list-style-type: none"> <li>• Click on &lt;Transactions&gt;</li> <li>• Login in by scanning your employee ID badge or entering your EID</li> </ul>
3	Click on <Unassign Unit> and a list of assigned RBCs will display
4	<ul style="list-style-type: none"> <li>• Click &lt;Unassign Unit&gt; at the bottom of the screen</li> <li>• A 'Good' message indicates the transaction was successful</li> </ul>
5	<p>Log into SQ and release the RBC from allocation</p> <p><b>NOTE:</b> Unless expired, the RBC should be available for allocation to a new patient in SQ location <b>NWBB</b> and BloodTrack manager</p>

**Releasing Expired Crossmatch/Dereservation Date RBCs in HaemoBank**

STEP	ACTION														
1	Print Expired Crossmatch List in SmarTerm														
	<table border="1"> <thead> <tr> <th>Prompt</th> <th>Enter</th> </tr> </thead> <tbody> <tr> <td>FUNCTION:</td> <td>BBR, press [Enter]</td> </tr> <tr> <td>PRINTER:</td> <td>LIS Device# of the SQ printer, press [Enter]</td> </tr> <tr> <td>SELECT OPTION:</td> <td>1- Expired Crossmatch List</td> </tr> <tr> <td>HOSPITAL ID:</td> <td>U, press [Enter] twice</td> </tr> <tr> <td>HOSPITAL SELECTED:</td> <td>U display, Enter A to accept</td> </tr> <tr> <td>LOCATION:</td> <td>Press [Enter] to default to &lt;ALL&gt;, Enter A to accept</td> </tr> </tbody> </table>	Prompt	Enter	FUNCTION:	BBR, press [Enter]	PRINTER:	LIS Device# of the SQ printer, press [Enter]	SELECT OPTION:	1- Expired Crossmatch List	HOSPITAL ID:	U, press [Enter] twice	HOSPITAL SELECTED:	U display, Enter A to accept	LOCATION:	Press [Enter] to default to <ALL>, Enter A to accept
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HOSPITAL SELECTED:	U display, Enter A to accept														
LOCATION:	Press [Enter] to default to <ALL>, Enter A to accept														
2	Print Inventory Report from BloodTrack – refer to section <a href="#">Printing Inventory Report for HaemoBank Refrigerator</a>														
3	Release all components with expired crossmatched in SQ														


STEP	ACTION		
4	Compare the status of component between BloodTrack <i>Inventory Report for HaemoBank Refrigerator</i> and the SQ <i>Expired Crossmatch List</i> to determine which components to release from allocation		
	<b>SQ Exp. Crossmatch List</b>	<b>Inventory Report for HB Ref.</b>	<b>Then</b>
		<ul style="list-style-type: none"> <li>• Expired dereservation date</li> <li>• Assigned status</li> </ul>	<ul style="list-style-type: none"> <li>• Go to section <a href="#">Releasing Assigned/Allocated RBCs in the HaemoBank</a></li> </ul>
	Expired crossmatch	<ul style="list-style-type: none"> <li>• Expired dereservation date</li> <li>• Available status</li> </ul>	<ul style="list-style-type: none"> <li>• Go to section <a href="#">Requesting Return of RBCs stored in HaemoBank</a></li> <li>• <b>NOTE:</b> Component not available for release from HaemoBank with an expired dereservation date. Component returns to ML campus for return to inventory</li> </ul>
	<ul style="list-style-type: none"> <li>• NO dereservation date</li> <li>• Available</li> </ul>	<ul style="list-style-type: none"> <li>• Open BloodTrack                             <ul style="list-style-type: none"> <li>○ Click on &lt;Transactions&gt;</li> <li>○ Login by EID or scan badge</li> <li>○ Select &lt;Update Unit&gt;</li> <li>○ Scan blood component from inventory report</li> <li>○ Update &lt;Unit Status&gt; to Unusable from the dropdown</li> <li>○ Click &lt;Update&gt;</li> </ul> </li> <li>Go to section <a href="#">Requesting Return of RBCs stored in HaemoBank</a></li> <li>• <b>NOTE:</b> Component not available for release from HaemoBank with an expired dereservation date. Component returns to ML campus for return to inventory</li> </ul>	

**Requesting Return of RBCs stored in HaemoBank**

STEP	ACTION
1	<p>Print Inventory List from BloodTrack Manager</p> <ul style="list-style-type: none"> <li>• Open &lt;BloodTrack Manager&gt;</li> <li>• Right click &lt;HaemoBank Refrigerator&gt; under the storage column</li> <li>• Select &lt;Inventory List&gt;</li> <li>• Select the unit(s) to be returned by holding the &lt;Ctrl&gt; key down, while clicking on each unit</li> <li>• Click &lt;Print&gt;</li> <li>• Click &lt;Selected&gt; at “Do you want to print all of the rows in the report or only those rows that have been selected?”</li> <li>• Click &lt;OK&gt;</li> </ul>

STEP	ACTION
2	Write "Return to Montlake" on printed report
3	<ul style="list-style-type: none"> <li>Call NW TSS to let them know you are faxing a report of inventory to return to Montlake TSL</li> <li>Fax return inventory report to NW TSS</li> <li>Send appropriate shipping container with the required amount of wet ice to NW TSS with the lab medicine hourly courier</li> </ul> <p><b>NOTE:</b> Blood components will be returned to Montlake TSL by the lab medicine hourly courier. Utilize contracted UW courier if blood component needs to be returned outside of hourly courier service hours</p>
4	Maintain inventory report in TSL until return and reconciliation of blood components from NW campus

**Responding to Alerts in BloodTrack Manager**

STEP	ACTION																
1	Open BloodTrack software  from Citrix Receiver																
2	<ul style="list-style-type: none"> <li>Click on &lt;Alerts&gt;</li> <li>Login in by scanning your employee ID badge or entering your EID</li> </ul>																
3	Double click on the alert to review the details of the alert																
4	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="width: 20%;">Alert</th> <th style="width: 20%;">Reason for Alert</th> <th style="width: 60%;">Action to take</th> </tr> </thead> <tbody> <tr> <td>Unit Removed for Emergency Use</td> <td>Unit is removed uncrossmatched from the HaemoBank via the Emergency Blood function</td> <td> <ul style="list-style-type: none"> <li>NW TSS will document issue on the Downtime Issue Log and fax a copy to Montlake TSL</li> <li>Reconcile unit(s) on the Downtime Issue Log with the one(s) associated with the alert in BloodTrack</li> <li>Allocate and issue in SQ to the appropriate patient</li> <li>Go to next step</li> </ul> </td> </tr> <tr> <td rowspan="3">Blood group mismatch</td> <td rowspan="3">Generated at time of allocation in SQ. The unit ABO/Rh is not identical to the patient ABO/Rh</td> <td>Verify the ABO and Rh substitution is acceptable</td> </tr> <tr> <td> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="width: 30%;">If ABO/Rh is</th> <th style="width: 70%;">Then</th> </tr> </thead> <tbody> <tr> <td>Acceptable</td> <td>Go to next step</td> </tr> <tr> <td>Unacceptable</td> <td> <ul style="list-style-type: none"> <li>Release in Sunquest and</li> <li>Unassign RBC in BloodTrack Manager</li> <li>Select and allocate appropriate RBC</li> <li>Go to next step</li> </ul> </td> </tr> </tbody> </table> </td> </tr> </tbody> </table>	Alert	Reason for Alert	Action to take	Unit Removed for Emergency Use	Unit is removed uncrossmatched from the HaemoBank via the Emergency Blood function	<ul style="list-style-type: none"> <li>NW TSS will document issue on the Downtime Issue Log and fax a copy to Montlake TSL</li> <li>Reconcile unit(s) on the Downtime Issue Log with the one(s) associated with the alert in BloodTrack</li> <li>Allocate and issue in SQ to the appropriate patient</li> <li>Go to next step</li> </ul>	Blood group mismatch	Generated at time of allocation in SQ. The unit ABO/Rh is not identical to the patient ABO/Rh	Verify the ABO and Rh substitution is acceptable	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="width: 30%;">If ABO/Rh is</th> <th style="width: 70%;">Then</th> </tr> </thead> <tbody> <tr> <td>Acceptable</td> <td>Go to next step</td> </tr> <tr> <td>Unacceptable</td> <td> <ul style="list-style-type: none"> <li>Release in Sunquest and</li> <li>Unassign RBC in BloodTrack Manager</li> <li>Select and allocate appropriate RBC</li> <li>Go to next step</li> </ul> </td> </tr> </tbody> </table>	If ABO/Rh is	Then	Acceptable	Go to next step	Unacceptable	<ul style="list-style-type: none"> <li>Release in Sunquest and</li> <li>Unassign RBC in BloodTrack Manager</li> <li>Select and allocate appropriate RBC</li> <li>Go to next step</li> </ul>
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	<b>Alert</b>	<b>Reason for Alert</b>	<b>Action to take</b>						
	Unit is not group specific for patient	Generated at time of removal from HaemoBank	<ul style="list-style-type: none"> <li>Verify the ABO and Rh substitution is acceptable</li> </ul> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">If ABO/Rh is</th> <th style="text-align: center;">Then</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Acceptable</td> <td>Go to next step</td> </tr> <tr> <td style="text-align: center;">Unacceptable</td> <td> <ul style="list-style-type: none"> <li>Contact NW TSS to facilitate return of blood component to TSS</li> <li>Quarantine blood component in SQ and return to Montlake campus per SOPs</li> </ul> <p><b><i>Quarantine and Final Disposition of Blood Components at Northwest and Returning Blood Components to Montlake from Northwest Campus</i></b></p> </td> </tr> </tbody> </table>	If ABO/Rh is	Then	Acceptable	Go to next step	Unacceptable	<ul style="list-style-type: none"> <li>Contact NW TSS to facilitate return of blood component to TSS</li> <li>Quarantine blood component in SQ and return to Montlake campus per SOPs</li> </ul> <p><b><i>Quarantine and Final Disposition of Blood Components at Northwest and Returning Blood Components to Montlake from Northwest Campus</i></b></p>
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	Unit Quarantined	Unit was removed from HaemoBank and returned unused	<ul style="list-style-type: none"> <li>Instruct NW TSS to:                             <ul style="list-style-type: none"> <li>Remove the unit from the HaemoBank</li> <li>Perform Return Stock</li> <li>Quarantine unit in Sunquest</li> <li>Return to Montlake TSL per SOPs</li> </ul> </li> <li><b><i>Quarantine and Final Disposition of Blood Components at Northwest and Returning Blood Components to Montlake from Northwest Campus</i></b></li> <li>Go to next step</li> </ul>						
	Invalid Unit Condition	Unit is in a condition unacceptable for transfusion							
	Unit visual inspection	Occurs if the user is prompted to visually inspect the unit and indicates the unit is not suitable for transfusion							
	Unit already in circulation	Occurs if an 'Activate Out' transaction is attempted on a unit that is already in circulation	<ul style="list-style-type: none"> <li>Instruct NW TSS to perform the following in BloodTrack                             <ul style="list-style-type: none"> <li>'Return Stock'</li> <li>'Activate Out'</li> <li>Load the component into the HaemoBank</li> </ul> </li> <li>Go to next step</li> </ul>						
	Unknown Unit	Unit is scanned and there is no record of the unit in the BloodTrack database	<ul style="list-style-type: none"> <li>Instruct NW TSS to                             <ul style="list-style-type: none"> <li>Retrieve component and perform Activate Out</li> <li>Load the component into the HaemoBank</li> </ul> </li> <li>Go to next step</li> </ul>						

STEP	ACTION								
	<p><b>Alert</b></p> <p>Transport time exceeded configured limit</p>	<p><b>Reason for Alert</b></p> <p>Occurs when unit was returned to the HaemoBank <math>\geq</math> 30 minutes room temp or <math>&gt;</math>4 hours in cooler from removal</p>	<p><b>Action to take</b></p> <ul style="list-style-type: none"> <li>Contact NW TSS and obtain the temperature</li> </ul> <table border="1" data-bbox="813 415 1421 1386"> <thead> <tr> <th data-bbox="813 415 1024 464">If the unit is</th> <th data-bbox="1024 415 1421 464">Then</th> </tr> </thead> <tbody> <tr> <td data-bbox="813 464 1024 709">Acceptable</td> <td data-bbox="1024 464 1421 709"> <ul style="list-style-type: none"> <li>Click &lt;Transactions&gt;</li> <li>Click update unit</li> <li>Enter the unit number</li> <li>Change Unit Status to 'Available'</li> <li>Create a QI</li> <li>Go to next step</li> </ul> </td> </tr> <tr> <td data-bbox="813 709 1024 1386">Unacceptable</td> <td data-bbox="1024 709 1421 1386"> <ul style="list-style-type: none"> <li>Instruct NW TSS to:                             <ul style="list-style-type: none"> <li>Remove the unit from the HaemoBank</li> <li>Perform Return Stock</li> <li>Quarantine unit in Sunquest</li> <li>Return to Montlake TSL per SOPs</li> </ul> </li> </ul> <p><b><i>Quarantine and Final Disposition of Blood Components at Northwest and Returning Blood Components to Montlake from Northwest Campus</i></b></p> <ul style="list-style-type: none"> <li>Go to next step</li> </ul> </td> </tr> </tbody> </table>	If the unit is	Then	Acceptable	<ul style="list-style-type: none"> <li>Click &lt;Transactions&gt;</li> <li>Click update unit</li> <li>Enter the unit number</li> <li>Change Unit Status to 'Available'</li> <li>Create a QI</li> <li>Go to next step</li> </ul>	Unacceptable	<ul style="list-style-type: none"> <li>Instruct NW TSS to:                             <ul style="list-style-type: none"> <li>Remove the unit from the HaemoBank</li> <li>Perform Return Stock</li> <li>Quarantine unit in Sunquest</li> <li>Return to Montlake TSL per SOPs</li> </ul> </li> </ul> <p><b><i>Quarantine and Final Disposition of Blood Components at Northwest and Returning Blood Components to Montlake from Northwest Campus</i></b></p> <ul style="list-style-type: none"> <li>Go to next step</li> </ul>
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	<p>Any alert related to the temperature inside the HaemoBank</p>	<p>Occurs when temperature breaches high and low alarm settings: High = 5.5 °C Low =1.5 °C OR when temperature is not being recorded</p>	<p>Contact Northwest staff immediately to resolve the problem and returned to the temperature to the acceptable range of 1.5 to 5.5°C</p> <table border="1" data-bbox="813 1493 1421 1837"> <thead> <tr> <th data-bbox="813 1493 1015 1560">If temperature</th> <th data-bbox="1015 1493 1421 1560">Then</th> </tr> </thead> <tbody> <tr> <td data-bbox="813 1560 1015 1661">Recovers within 30 minutes</td> <td data-bbox="1015 1560 1421 1661">Go to next step</td> </tr> <tr> <td data-bbox="813 1661 1015 1837">Cannot be recovered within 30 minutes</td> <td data-bbox="1015 1661 1421 1837"> <ul style="list-style-type: none"> <li>Instruct Northwest TSS to evacuate the HaemoBank and place the RBCs in the backup blood refrigerator</li> <li>Go to next step</li> </ul> </td> </tr> </tbody> </table>	If temperature	Then	Recovers within 30 minutes	Go to next step	Cannot be recovered within 30 minutes	<ul style="list-style-type: none"> <li>Instruct Northwest TSS to evacuate the HaemoBank and place the RBCs in the backup blood refrigerator</li> <li>Go to next step</li> </ul>
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STEP	ACTION													
	<b>Alert</b> Any alerts related to the function of BloodTrack or the HaemoBank	<b>Reason for Alert</b> Refer to <a href="#">Appendix A</a> for reason for the alert	<b>Action to take</b> Contact Northwest staff immediately to resolve the problem <table border="1" data-bbox="815 415 1432 617"> <thead> <tr> <th data-bbox="815 415 1016 462">If</th> <th data-bbox="1016 415 1432 462">Then</th> </tr> </thead> <tbody> <tr> <td data-bbox="815 462 1016 508">Resolved</td> <td data-bbox="1016 462 1432 508">Go to next step</td> </tr> <tr> <td data-bbox="815 508 1016 617">Unable to resolve</td> <td data-bbox="1016 508 1432 617"> <ul style="list-style-type: none"> <li>Notify a MLS lead or manager</li> <li>Go to next step</li> </ul> </td> </tr> </tbody> </table>	If	Then	Resolved	Go to next step	Unable to resolve	<ul style="list-style-type: none"> <li>Notify a MLS lead or manager</li> <li>Go to next step</li> </ul>					
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5	Acknowledge the Alert in BloodTrack <ul style="list-style-type: none"> <li>Click on the alert to highlight it</li> <li>Click the &lt;Acknowledge&gt; button at the bottom of the screen and the alert will disappear from the &lt;Unacknowledged Alerts&gt; tab</li> </ul>													
6	<table border="1" data-bbox="302 758 760 1262"> <thead> <tr> <th data-bbox="302 758 760 810">If</th> <th data-bbox="302 810 760 1262">Then</th> </tr> </thead> <tbody> <tr> <td data-bbox="302 810 760 947">Alert was NOT resolved</td> <td data-bbox="302 810 760 947"> <ul style="list-style-type: none"> <li>Create a QI and ensure any implicated components are not available for issue</li> <li>Notify a TSL lead or manager of emergency issues immediately</li> </ul> </td> </tr> <tr> <td data-bbox="302 947 760 1262">                     Alert was resolved and any of the following                     <ul style="list-style-type: none"> <li>Unit Removed for Emergency Use</li> <li>Blood group mismatch</li> <li>Unit is not group specific for patient</li> <li>Unit removed for emergency use</li> </ul> </td> <td data-bbox="302 947 760 1262">Go to next step</td> </tr> </tbody> </table>	If	Then	Alert was NOT resolved	<ul style="list-style-type: none"> <li>Create a QI and ensure any implicated components are not available for issue</li> <li>Notify a TSL lead or manager of emergency issues immediately</li> </ul>	Alert was resolved and any of the following <ul style="list-style-type: none"> <li>Unit Removed for Emergency Use</li> <li>Blood group mismatch</li> <li>Unit is not group specific for patient</li> <li>Unit removed for emergency use</li> </ul>	Go to next step	<table border="1" data-bbox="781 758 1422 1262"> <thead> <tr> <th data-bbox="781 758 982 810">If</th> <th data-bbox="982 758 1422 810">Then</th> </tr> </thead> <tbody> <tr> <td data-bbox="781 810 982 1262">Component is to be discarded</td> <td data-bbox="982 810 1422 1262"> <ul style="list-style-type: none"> <li>Discard component</li> <li>Document discarded on the QI</li> <li>Attach a copy of the BBI Unit History showing the unit is discarded</li> <li>Go to next step</li> </ul> </td> </tr> <tr> <td data-bbox="781 1262 982 1890">Not discarded and/or requires manager review for discard</td> <td data-bbox="982 1262 1422 1890"> <ul style="list-style-type: none"> <li>Place the component in the appropriate quarantine location and file the QI</li> </ul> </td> </tr> </tbody> </table>	If	Then	Component is to be discarded	<ul style="list-style-type: none"> <li>Discard component</li> <li>Document discarded on the QI</li> <li>Attach a copy of the BBI Unit History showing the unit is discarded</li> <li>Go to next step</li> </ul>	Not discarded and/or requires manager review for discard	<ul style="list-style-type: none"> <li>Place the component in the appropriate quarantine location and file the QI</li> </ul>
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Not discarded and/or requires manager review for discard	<ul style="list-style-type: none"> <li>Place the component in the appropriate quarantine location and file the QI</li> </ul>													
	Any alert resulting in quarantine and return of the blood component to Montlake campus	<ul style="list-style-type: none"> <li>Ensure component is returned to Montlake and a QI explaining the reason is complete</li> </ul>												

<b>TITLE: Providing Blood Components and Managing the HaemoBank at Northwest Campus</b>	<b>Number: PC-0093.01</b>
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<b>STEP</b>	<b>ACTION</b>
6	Resolve the Alert <ul style="list-style-type: none"> <li>• Click on the Acknowledged Alerts tab</li> <li>• Click on &lt;Resolve&gt;</li> <li>• Choose the most appropriate resolution from the Choose Alert Resolution dropdown</li> <li>• “Blood Unit Update’</li> </ul>

**PROCEDURE NOTES/LIMITATIONS:**

NA

**REFERENCES:**

- Standards for Blood Banks and Transfusion Services. Bethesda, MD; AABB, current edition.
- BloodTrack Manager, Braintree, MA, Haemonetics Corporation, Version 4.11.0

**RELATED DOCUMENTS:**

- FORM *Downtime Issue Log*
- SOP *Packing and Shipping Blood Components*
- SOP *Attaching the Transfusion Record to Blood Components*
- SOP *Returning Blood Components to Montlake from Northwest Campus*
- SOP *Blood Storage and Inventory Management at Northwest Inventory*
- SOP *Ordering and Processing Platelets at Northwest Campus*
- SOP *Ordering and Processing Plasma and Cryoprecipitate at Northwest Campus*
- SOP *Selection of Red Blood Cell and Granulocyte Components for Transfusion*

<b>TITLE: Providing Blood Components and Managing the HaemoBank at Northwest Campus</b>	<b>Number: PC-0093.01</b>
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<b>UWMC SOP Approval:</b>	
<b>CLIA Medical Director</b>	_____ Date _____
	Mark H. Wener, MD
<b>Transfusion Service Manager</b>	_____ Date _____
	Nina Sen
<b>Transfusion Service Compliance Analyst</b>	_____ Date _____
	Christine Clark
<b>Transfusion Service Medical Director</b>	_____ Date _____
	Monica Pagano, MD
<b>UWMC Biennial Review:</b>	
	_____ Date _____
	_____ Date _____

TRAINING

**APPENDICES:**

**APPENDIX A: System Alerts**

**APPENDIX B: Examples of Transfusion Records**

Components remotely allocated from Haemobank

Used for thawed plasma, thawed cryoprecipitate, and RBC components allocated from Montlake stock

**HaemoBank Transfusion Record UH3919**

**SQ Transfusion Record UH3363**

**UW MEDICINE TRANSFUSION RECORD**

**Bedside Verification**

*Before administering the unit, verify in the patient's presence that:*

- Patient's name & medical record number are identical on the unit compatibility label, wrist band(s), and transfusion record.
- Donor ABO/Rh & the donor unit number on the transfusion record, unit compatibility label and donor unit face label are identical.
- Patient ABO/Rh, interpretation of compatibility testing (if performed) & special requirements (if applicable) are verified.
- Unit is normal in appearance & not expired.

Date	Time
Transfusionist	
Witness	

**IF A TRANSFUSION REACTION IS SUSPECTED**

- STOP THE TRANSFUSION IMMEDIATELY and call the physician and the Transfusion Service Laboratory
- Refer to the Nursing Blood Administration Policy
- Complete the Report of Suspected Transfusion Reaction Form
- Draw a 6mL Pink top EDTA blood sample from the patient
- Send the completed Suspected Transfusion Reaction form, blood sample, blood bag with attached tubing and remaining contents (remove needle), and copy of the Transfusion Record to the Transfusion Service as soon as possible.

**UW Medicine**  
 Harborview Medical Center – University of Washington Medical Center  
 UW Neighborhood Clinics – Valley Medical Center  
 University of Washington Physicians – Seattle, Washington

**UW MEDICINE TRANSFUSION RECORD**

UH3919 REV AUG 20

*Attach patient label here ONLY if there is no patient name or MRN above*

**UW MEDICINE TRANSFUSION RECORD**

NAME: TEST, SEH      MRN: 00341981

Patient Information		Donor Information	
Patient Allotria	B-POSITIVE	Donor Allotria	B-POSITIVE
Antibody Screen	NEGATIVE	Donor Unit#	W116 70 012308
Location	INPT	Component	REC PL    BIV 00
Physician	UNKNOW	Crossmatch	Comp 41116    Exp 09/19/2020
Date	09/17/2020	Unit Expiration	09/15/2020    2358
Accession #	W100874	# of Units in Pool	
Comments		Volume	350
		Unit Antigens	

**Bedside Verification**

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**UW MEDICINE TRANSFUSION RECORD**

UW Medicine  
 Harborview Medical Center – University of Washington Medical Center  
 UW Neighborhood Clinics – Valley Medical Center  
 University of Washington Physicians – Seattle, Washington

**UW MEDICINE TRANSFUSION RECORD**

WHITE - MEDICAL RECORD

UH3363 REV JAN 20

*Attach patient label here ONLY if there is no patient name or MRN in the top line above*