



Sutter Roseville Medical Center

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Next Review: N/A

Owner: *Nadera Poirier: Supervisor,  
Laboratory Analytic*Policy Area: *Lab - Transfusion Service*

References:

Applicability: *Sutter Roseville Medical Center*

## Return, Transfer, Discard, and Quarantine of Blood Products and Rhogam using Blood Status Update (BSU)

### PURPOSE

To provide instruction on evaluation of and status changes using Blood Status Update (BSU) for returned blood products or Rhogam, transferred products, or products requiring quarantine or discard in Transfusion Services (TS).

### POLICY

- The following specifications must be acceptable for a blood component to be acceptable for reissue:
  - The product bag has not been spiked and ports are sealed
  - The appropriate temperature has been maintained
  - At least one sealed segment remains attached to the RBC unit
  - Visual inspection of component is satisfactory
- The following specifications must be acceptable for Rhogam to be acceptable for reissue:
  - No discoloration or particulate matter
  - Returned within 48 hours
- Units that have been sent to an isolation room are not acceptable for return. Unit(s) should be discarded in the room and nursing will notify TS so that the unit disposition can be appropriately updated.
- Blood products that are pending further evaluation by the blood supplier or Transfusion Services Supervisor should be quarantined in Sunquest (SQ) and placed in the appropriate physical quarantine location.
- Appropriate status options include: **INV** (Inventory), **DS** (Discarded), **OD** (Outdated), **QU** (Quarantined), and **WN** (BB Wrong Number)
- Units are not to be brought into **INV** status or shipped out to another facility if they have failed temperature or visual inspection requirements for status update.
  - Units that fail temperature or visual inspection may only be placed in status **DS** or **QU**
- When SQ is non-operational, the status will be recorded using the downtime procedure and transferred into SQ as soon as possible.

# PROCEDURE

## Evaluation of Returned Blood Products

Step:	Action:												
1.	Retrieve transfuse order stapled to Transfusion Record for unit to be returned and note on the top: "Returned: <i>TIME</i> ".												
2.	Examine the product to ensure it passes visual inspection, has at least one segment attached, and is still hermetically sealed. <ul style="list-style-type: none"> <li>If any of the above are not met, unit is unacceptable for reissue.</li> </ul>												
3.	Evaluate temperature indicator or temperature of unit, as applicable. <ul style="list-style-type: none"> <li>Refer to <i>BT 10</i>, <i>TEMPCHECK</i>, and <i>Product Return Temperature Job Aid</i> for use of and acceptability criteria for temperature devices.</li> </ul> <table border="1" data-bbox="267 739 1321 1738"> <thead> <tr> <th>If:</th> <th>Then:</th> </tr> </thead> <tbody> <tr> <td>1-6°C equilibrated unit was issued in storage device with BT 10 indicator applied that shows <i>no blue</i> in the breach window</td> <td>Unit is <b>acceptable</b> for reissue.</td> </tr> <tr> <td>1-6°C equilibrated unit was issued outside of a storage device and digital display on TEMPCHECK reads:               <ul style="list-style-type: none"> <li>RBC or plasma: 1-9°C</li> <li>Platelet or Cryo: 20-23°C</li> </ul> </td> <td rowspan="3">Unit is <b>unacceptable</b> for reissue and must be discarded.</td> </tr> <tr> <td>Plasma that has not equilibrated to 1-6°C due to recent thaw has return temp <i>less than</i> or equal to temperature at issue</td> </tr> <tr> <td>1-6°C equilibrated unit was issued in storage device with BT 10 indicator applied that shows <i>any blue</i> in the breach window</td> </tr> <tr> <td>1-6°C equilibrated unit was issued outside of a storage device and digital display on TEMPCHECK reads:               <ul style="list-style-type: none"> <li>RBC or plasma: &lt;1 or &gt;9°C</li> <li>Platelet or Cryo: &lt;20 or &gt;23°C</li> </ul> </td> <td rowspan="3">Unit is <b>unacceptable</b> for reissue and must be discarded.</td> </tr> <tr> <td>1-6°C equilibrated unit was issued in storage device with <b>NO</b> BT 10 indicator applied</td> </tr> <tr> <td>Plasma that has not equilibrated to 1-6°C due to recent thaw has return temp <i>greater than</i> temperature at issue or had no temperature taken at issue to compare to</td> </tr> </tbody> </table>	If:	Then:	1-6°C equilibrated unit was issued in storage device with BT 10 indicator applied that shows <i>no blue</i> in the breach window	Unit is <b>acceptable</b> for reissue.	1-6°C equilibrated unit was issued outside of a storage device and digital display on TEMPCHECK reads: <ul style="list-style-type: none"> <li>RBC or plasma: 1-9°C</li> <li>Platelet or Cryo: 20-23°C</li> </ul>	Unit is <b>unacceptable</b> for reissue and must be discarded.	Plasma that has not equilibrated to 1-6°C due to recent thaw has return temp <i>less than</i> or equal to temperature at issue	1-6°C equilibrated unit was issued in storage device with BT 10 indicator applied that shows <i>any blue</i> in the breach window	1-6°C equilibrated unit was issued outside of a storage device and digital display on TEMPCHECK reads: <ul style="list-style-type: none"> <li>RBC or plasma: &lt;1 or &gt;9°C</li> <li>Platelet or Cryo: &lt;20 or &gt;23°C</li> </ul>	Unit is <b>unacceptable</b> for reissue and must be discarded.	1-6°C equilibrated unit was issued in storage device with <b>NO</b> BT 10 indicator applied	Plasma that has not equilibrated to 1-6°C due to recent thaw has return temp <i>greater than</i> temperature at issue or had no temperature taken at issue to compare to
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4.	Replace transfuse order stapled to Transfusion Record for unit in designated tray and proceed to <i>Unit Status Update</i> SOP to perform BSU appropriately based on acceptability criteria.												

# Unit Status Update

Step:	Action:						
1.	Launch Sunquest and select <i>Blood Status Update</i> .						
2.	Select <i>Unit Update</i> from the <i>Update Option</i> dropdown menu.						
3.	Under <i>Unit Selection</i> , scan or enter unit information into fields for <i>Unit #</i> and <i>Component</i> . <ul style="list-style-type: none"> <li>Select component and/or division # from drop down list if E code does not scan to populate</li> </ul>						
4.	Tab through <i>Date</i> and <i>Time</i> fields to default current date and time. <ul style="list-style-type: none"> <li>If documenting after the fact, enter the date and time update occurred</li> </ul>						
5.	Select <i>New status</i> from drop down, then tab. See <i>New Status and ETC Selection Table</i> below for appropriate selections. <table border="1" data-bbox="267 682 1323 1003"> <thead> <tr> <th>If <i>New status</i> is:</th> <th>Then:</th> </tr> </thead> <tbody> <tr> <td>INV</td> <td>Proceed to step 6.</td> </tr> <tr> <td>DS, OD, QU, or WN</td> <td> <ul style="list-style-type: none"> <li>Select an appropriate ETC for <i>Reason code</i> from table and enter detailed free text explanation under <i>Comment</i> section to account for new status selection.</li> <li>Proceed to step 7.</li> </ul> </td> </tr> </tbody> </table>	If <i>New status</i> is:	Then:	INV	Proceed to step 6.	DS, OD, QU, or WN	<ul style="list-style-type: none"> <li>Select an appropriate ETC for <i>Reason code</i> from table and enter detailed free text explanation under <i>Comment</i> section to account for new status selection.</li> <li>Proceed to step 7.</li> </ul>
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6.	<ul style="list-style-type: none"> <li>Complete <i>Temperature</i> field:               <ul style="list-style-type: none"> <li>If unit has temperature indicator affixed, enter <b>PASS</b></li> <li>If no indicator is present, enter temperature read from TEMPCHECK device</li> </ul> </li> <li>Check <b>Yes</b> <i>Pass visual inspection</i></li> <li>Enter <i>Reason code</i> from table</li> <li>Enter any additional explanation as a free text under <i>Comment</i> section</li> </ul>						
7.	Select <i>Unit Location</i> and select <b>RV</b> .						
8.	Verify that the unit location has updated and select <i>OK</i> followed by <i>Save</i> . <ul style="list-style-type: none"> <li><i>Unit Activity</i> tab opens if an allocated unit is being returned to inventory. Re-allocate or release this unit from the accession number (as appropriate) from the dropdown menu under <i>New status</i> followed by <i>Save</i>.</li> </ul>						

## Transfer to Sutter Affiliate, Blood Supplier, or Hospital: Ship Out

Step:	Action:								
1.	Launch Sunquest and select <i>Blood Status Update</i> .								
2.	Under <i>Update Option</i> select <i>Ship Out</i> from the dropdown menu.								
3.	Under <i>Unit Selection</i> , scan or enter unit information into fields for <i>Unit #</i> and <i>Component</i> <ul style="list-style-type: none"> <li>Select component and/or division # from drop down list if E code does not scan to populate</li> <li>Repeat step for all units that are to be shipped out at same date and time, adding each to the <i>Batch update</i> list.</li> </ul>								
4.	After all desired units to ship out have been entered, select <i>Submit</i> .								
5.	Under <i>Status entry</i> , tab through to default <i>Date</i> and <i>Time</i> to current, then enter known ETC for or use search function to locate destination.								
6.	Press tab and select <i>Yes</i> for <i>Pass visual inspection for all units</i> .								
7.	Under <i>Reason/Comment entry</i> , enter appropriate ETC for <i>Reason code</i> : <table border="1" data-bbox="261 863 1321 1142"> <thead> <tr> <th>If transferring to:</th> <th>ETC:</th> </tr> </thead> <tbody> <tr> <td>Sutter affiliate</td> <td><b>RETRNF</b> (RE: Transferred To Another Hospital)</td> </tr> <tr> <td>A non-Sutter hospital per blood supplier request</td> <td><b>DTR</b> (RE: Direct Transfer per Blood Supplier)</td> </tr> <tr> <td>Blood supplier</td> <td><b>RERET</b> (RE: Returned to Supplier)</td> </tr> </tbody> </table>	If transferring to:	ETC:	Sutter affiliate	<b>RETRNF</b> (RE: Transferred To Another Hospital)	A non-Sutter hospital per blood supplier request	<b>DTR</b> (RE: Direct Transfer per Blood Supplier)	Blood supplier	<b>RERET</b> (RE: Returned to Supplier)
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8.	Select <i>Continue</i> , then <i>Unit Location</i> and select <i>RV</i> followed by <i>OK</i> . Select <i>Save</i> .								

## Accepting Unit from Sutter Affiliate: Ship Out to Inventory

Step:	Action:
1.	Launch Sunquest and select <i>Blood Status Update</i> .
2.	Under <i>Update Option</i> select <i>ShipOut to Inventory</i> from the dropdown menu.
3.	Under <i>Unit Selection</i> , scan or enter unit information into fields for <i>Unit #</i> and <i>Component</i> <ul style="list-style-type: none"> <li>Select component and/or division # from drop down list if E code does not scan to populate</li> </ul>
4.	Under <i>Status entry</i> , tab through to default <i>Date</i> and <i>Time</i> to current. For <i>New status</i> select <b>INV</b> . For <i>Temperature</i> enter <i>PASS</i> . Tab to continue and select <i>Yes</i> for <i>Pass visual inspection</i> .
5.	Select <i>Unit Location</i> and select <i>RV</i> . Select <i>OK</i> followed by <i>Save</i> . <ul style="list-style-type: none"> <li>NOTE: If antigen typing was performed by another affiliate, see <i>Entry and Modification of Blood Products and RhIG Using Blood Product Entry (BPE) SOP</i> for instruction on removal of antigen typing.</li> </ul>

## New Status and ETC Selection Table

Situation:	Status:	Reason code (ETC):
Acceptable visual inspection and temperature	INV	<b>RETINP</b> (RE: Temperature Indicator Pass) or <b>RETPCP</b> (RE: Temp Check Pass)
Market withdrawal requested by blood supplier	QU	<b>RECALL</b> (RE: Recalled)
Products pending evaluation by Transfusion Services Supervisor	QU	<b>REQUAR</b> (RE: Quarantined) <ul style="list-style-type: none"> <li>Document reason for quarantine under <i>Free text</i> in <i>Comment</i> section prior to selecting <i>Add</i></li> </ul>
Expired products that are not allocated and not returned to blood supplier	OD	<b>REOUT</b> (RE: Unit Outdated)
Thawed FFP expired while allocated to patient	OD	<b>REONT</b> (RE: Ordered not transfused)
FFP broken upon inspection or while thawing	DS	<b>REBRK</b> (RE: Broken container)
Unacceptable temperature indicator on returned product-product not acceptable for reissue	DS	<b>RETINF</b> (RE: Temperature Indicator Fail)
Unacceptable temperature for returned product-product not acceptable for reissue	DS	<b>RETPCF</b> (RE: Temp Check Fail) <ul style="list-style-type: none"> <li>Document temperature under <i>Free text</i> in <i>Comment</i> section prior to selecting <i>Add</i></li> </ul>
Platelet transferred from Sutter affiliate: <ul style="list-style-type: none"> <li>Without the <i>Platelet Packed</i> label or the <i>Platelet Packed</i> label is not intact</li> <li>Missing PCM22 Coolant Pack</li> <li>Shipper packing slip is missing or incomplete</li> </ul>	DS	<b>REFAIL</b> (RE: Failed Visual Inspection) <ul style="list-style-type: none"> <li>Document reason under <i>Free text</i> in <i>Comment</i> section prior to selecting <i>Add</i></li> </ul>
Returned as spiked by nursing staff after issuing	DS	<b>REPUN</b> (RE: Punctured Bag)
Does not exist due to product entry error	WN	<b>RECC</b> (RE: Clerical Correction)

## RELATED DOCUMENTS

BT 10, TEMPCHECK, and Product Return Temperature Job Aid

Entry and Modification of Blood Products and RhIG Using Blood Product Entry (BPE)

All revision dates:

## Attachments

No Attachments

DRAFT