



VistA Blood Establishment Computer Software  
(VBECS) Version 1.5.1.0

Release Notes Version 3.0

February 2011

Department of Veterans Affairs  
Product Development

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# Revision History

Date	Revision	Description	Author
6-14-10	1.0	Initial version	BBM team
		<p>Updated the footer from “June” to “December”, Version 1.0 to 2.0.            Updated Testing Objective 3 (DR 3844).</p> <p>Enhancements and Modifications:            Created a “Resolution of:” list. For Remedy ticket numbers and added Remedy Tickets HD403293, HD404021, and HD420679 to the list.</p> <p>Performance Improvement section:            Removed Remedy Tickets HD342617, HD 355906            Removed Table 1 and its related sentences.</p> <p>Blood Product Update section:            Added to the 3rd paragraph: The remaining closed pooled products that are monitored or tested for bacterial contamination will be updated in the next release.            Removed the old 5<sup>th</sup> paragraph: The default product volume has been changed from 225 to 450 for all product codes related to frozen or thawed apheresis fresh frozen plasma and apheresis plasma.            Inserted new 5<sup>th</sup> paragraph: “Codabar thaw targets for fresh frozen plasma, plasma and apheresis plasma products were added to the Blood Product Table and now appear when processing those units in modification type THAW. See Appendix C: Additional Blood Product Table Changes Table 2 for details.”</p> <p>Workload Section: added “Validate the LR patch changes where the facility is one of a set of VBECS divisions (multiple physical blood bank laboratories) on a single VBECS server. Review VistA workload by accessing the FileMan VBECS WORKLOAD CAPTURE file (#6002.01).</p> <p><b>NOTE:</b> The LR NIGHTY job must be executed after the workload is entered in the TEST environment. Wait 24 hours to view the data that since has been added since the patch was installed. This will not display workload accrued prior to the patch installation.</p> <p>See Appendix A: Examples of Test Scenarios, Objective 3.”</p> <p>Customer Support section:            Added statement “Questions regarding the installation of or validation scenarios for this release or the products associated with this release should be directed to the National Help Desk if they are not resolvable by the local help desk.”            Added Appendix B, VistA Software Dependency Test Scenarios for the External Dependencies. These tables will be formatted in Courier for the steps as this is what appears in VistA. The rest of the table will be in Arial.</p> <p>Appendix A, Test Scenarios:            Option: LR*5.2*401, Test Objective #2: Removed the Remedy number “HD390694”.</p>	
12-07-10	2.0	Option: VBEC*1.0*10, Test Objective #2: Removed the Remedy	BBM team

Date	Revision	Description	Author
		<p>number "HD354894".</p> <p>Appendix C: Resized tables to have uniform row heights. Added a space to BloodProduct. Edited the sentence "This table is organized by ascending Product Code order; Codabar units display ISBT 128 product codes." to read "These tables are organized by ascending Product Code order. There are two tables in total for this release.</p> <ul style="list-style-type: none"> <li>• Table 1: ISBT 128 Blood Product Table Change Details</li> <li>• Table 2: Codabar Blood Product Table Change Details</li> </ul> <p>Separated Table 1 into 2 tables, edited the details of the tables to consolidate information for each product code per product type to one line item, and indicated the H attribute assigned to the Codabar product code, not just generic H attribute assigned, removed duplicated line items. Changed "volume" to PV, changed to the ICCBBA Product Type Name not the VBECS "Mapped To" Name.</p>	
02-03-11	3.0	<ul style="list-style-type: none"> <li>• Modified VistA Blood Establishment Computer Software (VBECS) Version 1.5.1.0, Version 2.0:</li> <li>• Global: Replaced "November 2010" with "February 2011" in the footer.</li> <li>• Global: Replaced "2.0" with "3.0" in the footer.</li> <li>• Removed patch tracker message number from the VistA Software Dependencies Section.</li> <li>• Revised Note in Enhancement and Modifications, Workload Section, and Test Objective 3 to "NOTE: In the TEST environment, if the LR TASK NIGHTY job is not scheduled, it must be scheduled for workload to be reviewed. It may take up to 24 hours after scheduling the LR TASK NIGHTY before workload data is viewable."</li> <li>• Revised VistA Software Dependencies Section by adding installation instructions.</li> <li>• Added more information to the Related Manuals and Materials Section.</li> </ul>	BBM team

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# Introduction

*Vista Blood Establishment Computer Software (VBECS) Version 1.5.1.0 Release Notes* contains information and examples of test scenarios corresponding to or relating to enhancements and modifications in VBECS.

## New Features and Functions

None.

## Enhancements and Modifications

This section lists enhancements and modifications to VBECS 1.5.0.0 software. Some items correspond to items in the *Known Defects and Anomalies*. Some corrections have a corresponding test objective in Appendix A: Examples of Test Scenarios.

Resolution of:

- HD403293
- HD404021
- HD420679

## Performance Improvement

Microsoft analyzed our database for performance issues and found that an improvement to the blood unit table allows searches for blood unit data to return faster. Areas where blood unit searches occur includes any use of the unit search tool and any reports that are retrieving unit data.

An example of improved performance in development environment tests:

The blood unit search with the longest duration (the blood unit search in Edit Unit Financial Data) was executed taking more than one second (>1 sec) to return a list of blood units in VBECS 1.4.0.0. Running this same search in 1.5.1.0 in a development environment took less than half of one second (<0.5 sec) to return that same list of blood units. This correction is an incremental improvement for performance problems and related to (CR 1174 and CR 2720).

Also, performance is improved in the following options: Accept Order, Issue Unit, Patient Testing (at data save), Select Unit, Pending Task List, and Justify ABO/Rh where large data stores are handled. These corrections are an incremental improvement for performance problems.

Note that performance improvement issues you have identified in your production may not be evident in your test system due to the difference in amount of information in the test vs. production database, continue to evaluate your production performance after installation of the release.

Note that there are many other factors external to the VBECS application that may affect system response and may vary by site as well as from test to production environments.

See Appendix A: Examples of Test Scenarios, Objective 1.

The associated example test scenario is written for the Select Unit and Issue Unit path as that is where the patient related improvement is accessible. As part of local process risk assessment, the other options may require testing and compel the creation of a local scenario.

## **Blood Product: Table Update**

An update to the VBECS blood product table includes the addition of new product codes and attributes, and retirement dates as well as edits to current product code entries as detailed in Appendix C: Additional Blood Product Table Changes. Detailed information about these updates can be obtained on the ICCBBA website or users can navigate in VBECS using the Tools menu and Blood Products option to view the product codes.

Blood product codes have been added from ICCBBA Blood Product Database updates, Version 3.20.0 (11/2008) through and including ICCBBA Version V 3.32.0 (12/2009) with the exception of twelve blood products available in ICCBBA Version V 3.31.0 (October 2009) which are not available. Attempting to modify with those blood products will cause a failure in modification. The following product codes are not available in 1.5.1.0 and will be added in the 1.6.0 release: E6366, E6376, E6377, E6421, E6422, E6528, E6529, E6530, E6531, E6532, E6533, and E6534.

The blood product code, E5710, POOLED PLATELETS|CP2D/XX/20-24C|ResLeu:<5log6|Bacterial monitoring (Pall Acrodose® closed system pooled platelets) now has a 5 day maximum storage time, corrected from 4 hours. The remaining closed pooled products monitored or tested for bacterial contamination will be updated in the next release.

The blood product code, 18451, Plasma (-18C or colder), (by pheresis) Unlicensed and Thawed Plasma (-18C or colder), (by pheresis) is added to the blood product table. This product is distributed by the American Red Cross and does not appear on the list of Codabar product codes available on the AABB Web site. VBECS adds Codabar product codes as published on the AABB Website as approved by the FDA, other such instances of unlicensed product codes should be submitted by Remedy Ticket for evaluation and investigation as possible additions to the VBECS Blood Product Table.

Codabar thaw targets for fresh frozen plasma, plasma and apheresis plasma products were added to the Blood Product Table and should now appear when processing those units in modification type THAW. See Appendix C: Additional Blood Product Table Changes Table 2 for details.

The VBECS blood product table also contains edits to existing product code entries. See Appendix C: Additional Blood Product Table Changes Table 2 for details.

Local validation of changes that impact the facility is recommended.

## **VBECS Test Grid**

The testing grids will no longer allow the user to click onto the header rows for any test or the blank areas of an empty test grid. The application will perform an additional validation of the grid entries prior to saving the entered data (CR 2792).

See Appendix A: Examples of Test Scenarios, Objective 2.

## **Workload**

The method portion (decimals) of the Laboratory Index Program (LMIP) workload code transmits information to VistA as configured by the facility rather than a default of “.0000” (CR 2737).

Recommend local validation if the facility utilizes any suffixed (decimal) workload.

The associated LR patch contains the change that will transmit the full institution code and not just that of the primary facility in a consolidated VistA environment.



Validate the LR patch changes where the facility is one of a set of VBECS divisions (multiple physical blood bank laboratories) on a single VBECS server. Review VistA workload by accessing the FileMan VBECS WORKLOAD CAPTURE file (#6002.01).

**NOTE:** In the TEST environment, if the LR TASK NIGHTY job is not scheduled, it must be scheduled for workload to be reviewed. It may take up to 24 hours after scheduling the LR TASK NIGHTY before workload data is viewable.

See Appendix A: Examples of Test Scenarios, Objective 3.

## ***Untestable System-Level Corrected Code Requests***

This section includes changes that may be testable by VBECS system administrators, but not directly by functionality available in VBECS options.

## **Customer Service Improvements**

The Recovery Model for a 1.4.0.0 CD installation was set to "Full". Test sites which were installed in version 1.0.0.0 and patched to version 1.4.0.0 were set to "Simple". This affects the nightly backup of both VBECS\_V1\_PROD\_MIRROR and VBECS\_V1\_TEST\_MIRROR. The application is unaffected by this setting change (CR 2749).

No examples of test scenarios are included.

## **VistA Software Dependencies**

- VBEC\*1\*10
- LR\*5.2\*401

See Appendix B: VistA Software Dependency Test Scenarios.

## **IRM or Server Support Staff:**

Coordinate a period of downtime with the Blood Bank users of about two hours to allow for the installation of VBECS 1.5.1.0 server patch and related VistA patches in the Test account.

1. Download the **VBEC\_1\_5\_1\_DOCS\_BUNDLE.zip** file from the secure VBECS FTP site (I.P: 10.3.21.76, Port: 20001).
2. Download **VBEC\_1\_10.kid** and **LR\_5\_2\_401.kid** from the secure VBECS test FTP site.
3. Install the **VBEC\_1\_10.kid** and **LR\_5\_2\_401.kid** in the VistA test account. Instructions for VistA patch installation are in the patch descriptions.
4. Find the *VistA Blood Establishment Computer Software (VBECS) 1.5.1 Patch Installation Guide.doc* in the **VBEC\_1\_5\_1\_DOCS\_BUNDLE.zip** and follow instructions for test installation.
5. Download **VBECS\_Patch\_1.5.1.1\_110510.zip** from the secure VBECS test FTP site.
6. Install the VBECS 1.5.1.0 server patch in the VBECS test account. Instructions for the server patch installation are found in the *VistA Blood Establishment Computer Software (VBECS) 1.5.1 Patch Installation Guide.doc*.
7. Notify the Blood Bank users that patches are installed in Test and can be validated.
8. Following successful validation in Test coordinate a period of downtime with the Blood Bank users of about two hours to allow for the installation of VBECS 1.5.1.0 server patch and related VistA patches in Production.
9. Repeat Steps 1-6 for the Prod account. Then notify the Blood Bank users that patches are installed in Production.

## Related Manuals and Materials

### ***VBECS User Documents***

See each guide's Revision History for details about changes in that document.

Obtain the updated VBECS documents by retrieving them from the VistA Documentation Library (VDL):

- *VistA Blood Establishment Computer Software (VBECS) 1.5.1.0 Patch Installation Guide*
- *VistA Blood Establishment Computer Software (VBECS) 1.5.1.0 Release Notes*

These guides have **NOT** changed on the VDL and do not require your direct attention:

- *VistA Blood Establishment Computer Software (VBECS) 1.5.0.0 User Guide*
- *VistA Blood Establishment Computer Software (VBECS) 1.5.0.0 Technical Manual-Security Guide*
- *Known Defects and Anomalies*

The ANONYMOUS.SOFTWARE directory is at one of the following Office of Information (OI) Field Offices. Sites may retrieve documentation in either ".PDF" or ".DOC" format in one of the following ways:

The preferred method is to FTP the files from [Download.vista.med.va.gov](http://Download.vista.med.va.gov).

Sites may also elect to retrieve documentation directly from a specific server as follows:

**REDACTED**

## Customer Support

Questions regarding the installation of or validation scenarios for this release or the products associated with this release should be directed to the National Help Desk if they are not resolvable by the facility's local help desk.

### **Problems?**

Contact your Information Resource Management (IRM) or Laboratory Automated Data Processing Application Coordinator (ADPAC) if you encounter problems and for training support.

### **VA Service Desk Primary Contact**

For Information Technology (IT) support, call the VA Service Desk (VASD), **REDACTED** (toll free), 24 hours per day, 7 days per week. [Users with access to the VASD-supported request tool (e.g., Remedy) may file a ticket in lieu of calling the VASD.]

### **VA Service Desk Alternate Contacts**

- **REDACTED**

## References

- AABB Complete List of Codabar Product Label Codes 3/15/10
- AABB Standards for Blood Banks and Transfusion Services, 26th edition, 2009.
  - Reference Standard 5.1.8A—Requirements for Storage, Transportation, and Expiration
- AABB Technical Manual, 16th edition, 2009

- Table 9-1. Storage and Expiration Requirements for Blood Components
- ICCBBA, Product Description Database: Version 3.20.0, Version 3.21.0, Version 3.22.0, Version 3.23.0, Version 3.24.0, Version 3.25.0, Version 3.26.0, Version 3.27.0, Version 3.28.0, Version 3.29.0, Version 3.30.0, Version 3.31.0, Version 3.32.0.
- ICCBBA, US Consensus Standard, Version 3.0.0 Draft J, February 2010, Figure 65 Pooled Platelets with Bacterial Monitoring or Bacterial Test (E5710).

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# Appendices

## Appendix A: Examples of Test Scenarios

Refer to *Known Defects and Anomalies* for unresolved ClearQuest Code Requests (CRs) and Document Requests (DRs).


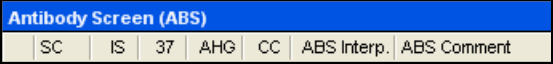
*These are examples of possible test scenarios. Each site is responsible for evaluating changes for their intended use and for establishing additional validation test scenarios (as appropriate).*

### Test Scenarios by Function


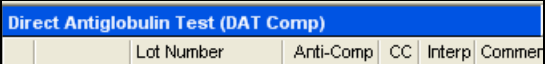

Each test objective number corresponds to an item in Enhancements and Modifications.

<b>Option: Select Unit</b>	
<b>Test Objective 1:</b> Demonstrate the improved response time when choosing a large number of units for one patient in Select Units.	
<b>Scenario 1:</b> Verify that the system responds with a shortened response time when selecting and crossmatching six (6) to ten (10) blood products for a single patient compared to 1.4.0.0.	
<b>Data</b>	Place and accession a TAS and RBC order for a patient in CPRS and VistA Lab. Accept the orders in VBECS (Orders, Accept Orders). Log in the number of units required to mimic a large volume crossmatch scenario at your hospital, at least six (6) units (Shipments, Incoming Shipment). Perform the required ABO/Rh confirmation testing on the units. Perform the TAS on the patient then perform the steps
<b>User</b>	No specific user role is required.
<b>Steps</b>	<ol style="list-style-type: none"> <li>1. Select all of the blood units in one session (Blood Units, Select Units).</li> <li>2. Perform crossmatch testing on all units selected in Step 1.</li> <li>3. Print the BTRF and Caution Tag for each unit.</li> <li>4. Issue all units (Patients, Issue Blood Components).</li> </ol>
<b>Expected Outcome</b>	The system responds with a shortened, improved response time when selecting blood products for a single patient compared to 1.4.0.0.  Note: The improved response time will vary from site to site depending on a variety of other factors.
<b>Scenario 2:</b> Verify that the system demonstrates an improved response time when multiple users are choosing different blood units for a single patient.	
Note: Attempts to use the same blood unit by multiple users will result in a data lock, which is expected functionality unrelated to this correction. Attempt to mimic a real life situation where multiple staff members are busy preparing a variety of products or handling the unit processing for the same patient	
<b>Data</b>	Place and accession the FFP, RBC, and PLT component orders for the patient used in Scenario 1 in CPRS and VistA Lab. Accept the orders in VBECS (Orders, Accept Orders). Login the number of units required to mimic a large volume transfusion scenario at your hospital, at least six (6) units of the same or different product types. For example, RBC to be crossmatched, while FFP is thawed and something different (platelets) is being issued (Shipments, Incoming Shipment).  Alternately, choose any one product type in various states of selection, issue and modification associated with the same patient may be selected.

Option: Select Unit	
<b>User</b>	No specific user role is required for the multiple users required to execute this scenario, at minimum two (2) users.
<b>Steps</b>	<p>Simultaneously:</p> <p>User one:</p> <ol style="list-style-type: none"> <li>1. Assign a batch of FFP blood Units (Blood Units, Select Units).</li> <li>2. Choose a batch of FFP blood units and THAW them (Blood Units, Modify Units).</li> <li>3. Hand off this batch to a different user (may be user two) who will issue these units while another batch of units is being assigned by the first user.</li> <li>4. Select a second batch of FFP and begin to THAW them.</li> <li>5. Thaw the 2<sup>nd</sup> batch of FFP</li> <li>6. Process any work received from user two.</li> </ol> <p>User two:</p> <ol style="list-style-type: none"> <li>1. Assign PLT units for the same patient. If you pool, you may want to include pooling in this scenario.</li> <li>2. Hand off this batch to a different user (may be user one) who may be choosing additional products for testing or issue assigned to the same patient.</li> <li>3. Assign a second batch of PLT.</li> </ol>
<b>Expected Outcome</b>	The system responds with a shorter response time to all users selecting units for the patient order at each step. Note: The improved response time will vary from site to site depending on a variety of other factors. Locking errors may be encountered if the users attempt to choose the same units.

Option: Patient Testing Grids	
<b>Test Objective 2):</b> The testing grids will no longer allow the user to click onto the header rows for any test or the blank areas of an empty test grid.	
<b>Scenario 1:</b> Verify that clicking on a grid header or gray area does not impact accurate row validation for the ABO/Rh, ABS, DAT, or serologic crossmatch (XM) grids. Note: These are the same for the repeat tests and do not need repetition on the repeat test.	
<b>Data</b>	Place a CPRS order for a TAS, DAT, and RBC. Accession and accept all of the orders. Prepare at least one blood unit for selection.
<b>User</b>	No specific user role is required.
<b>Steps</b>	<ol style="list-style-type: none"> <li>1. Select the TAS, DAT, and RBC from the Pending Task List to enable the grids for ABO/Rh, ABS, DAT and RBC (crossmatch).</li> <li>2. Select the blood unit for the crossmatch test.</li> <li>3. Proceed to the testing grids. The ABO/Rh, ABS, DAT and Crossmatch grids are enabled.</li> <li>4. Enter a <u>valid</u> ABO/Rh result-interpretation pair for the patient's ABO/Rh test.</li> <li>5. Click on any of the cells pictured below and then change the ABO interpretation to a value that would create an E/Error row validation.</li> </ol>  <ol style="list-style-type: none"> <li>6. Clear grid using the red X button. Enter a <u>valid</u> ABO/Rh result-interpretation pair for the patient's ABO/Rh test.</li> <li>7. Click on any of the cells pictured above and then change the Rh interpretation to a value that would create an E/Error row validation.</li> <li>8. Clear grid using the red X button. Enter a <u>valid</u> ABS result-interpretation pair for the patient's ABS test.</li> <li>9. Click on any of the cells pictured below and then change the ABS interpretation to a value that would create an E/Error row validation.</li> </ol>  <ol style="list-style-type: none"> <li>10. Clear grid using the red X button. Enter a <u>valid</u> DAT result-interpretation pair for the patient's</li> </ol>

Option: Patient Testing Grids																																					
	<p>DAT test.</p> <p>11. Click on any of the cells pictured below and then change the DAT interpretation to a value that would create an E/Error row validation.</p> <table border="1"> <tr> <th colspan="7">Direct Antiglobulin Test (DAT PS)</th> </tr> <tr> <td></td> <td>Lot Number</td> <td>PS</td> <td>AHG</td> <td>CC</td> <td>Interp.</td> <td>Comment</td> </tr> </table> <p>12. Clear grid using the red X button. Enter a <u>valid</u> DAT result-interpretation pair for the patient's DAT test</p> <p>13. Click on any gray area of the DAT test grid and then change the DAT interpretation to a value that would create an E/Error row validation.</p> <div style="background-color: #cccccc; width: 100px; height: 20px; margin: 5px 0;"></div> <p>14. Clear grid using the red X button. Enter a <u>valid</u> serologic crossmatch result-interpretation pair for the patient's selected unit.</p> <p>15. Click on any of the cells pictured below and then change the XM interpretation to a value that would create an E/Error row validation.</p> <table border="1"> <tr> <th colspan="7">Serologic Crossmatch (XM)</th> </tr> <tr> <td></td> <td>Unit ID</td> <td>IS</td> <td>37</td> <td>AHG</td> <td>CC</td> <td>Interp. XM Comment</td> </tr> </table> <p>16. Clear grid using the red X button. Enter a <u>valid</u> serologic crossmatch result-interpretation pair for the patient's selected unit.</p> <p>17. Click on any gray area of the XM test grid and then change the XM interpretation to a value that would create an E/Error row validation.</p> <div style="background-color: #cccccc; width: 100px; height: 20px; margin: 5px 0;"></div>	Direct Antiglobulin Test (DAT PS)								Lot Number	PS	AHG	CC	Interp.	Comment	Serologic Crossmatch (XM)								Unit ID	IS	37	AHG	CC	Interp. XM Comment								
Direct Antiglobulin Test (DAT PS)																																					
	Lot Number	PS	AHG	CC	Interp.	Comment																															
Serologic Crossmatch (XM)																																					
	Unit ID	IS	37	AHG	CC	Interp. XM Comment																															
<b>Expected Outcome</b>	<p>The system responds by:</p> <ul style="list-style-type: none"> <li>Enabling the OK button at Steps 4, 6, 8, 10, 12, 14, and 16.</li> <li>Disabling the OK button at Steps 5, 7, 9, 11, 13, 15, and 17.</li> </ul>																																				
<b>Scenario 2:</b> Verify that clicking on a grid header or gray area on the Additional Tests tab does not impact accurate row validation for the DAT IgG, DAT Comp, or Patient Antigen Typing grids.																																					
<b>Data</b>	Order at least one Reflex Antigen typing, for any specificity using the TAS order placed for the patient used in Scenario 1.																																				
<b>User</b>	No specific user role is required.																																				
<b>Steps</b>	<p>1. Select the patient antigen typing from the Pending Task List to enable the grid(s).</p> <p>2. Enter a <u>valid</u> result-interpretation pair for the selected test.</p> <p>3. Click on any of the cells pictured below and then change the interpretation to a value that would create an E/Error row validation.</p> <table border="1"> <tr> <th colspan="11">Patient Antigen Typing</th> </tr> <tr> <td></td> <td>Lot Number</td> <td>Vial ID</td> <td>IS</td> <td>RT</td> <td>37</td> <td>AHG</td> <td>CC</td> <td>Interp.</td> <td>Comment</td> <td></td> </tr> </table> <p>4. Clear grid using the red X button. Enter a <u>valid</u> result-interpretation pair for the selected test.</p> <p>5. Click on any gray area of the test grid and then change the interpretation to a value that would create an E/Error row validation.</p> <div style="background-color: #cccccc; width: 100px; height: 20px; margin: 5px 0;"></div> <p>6. Clear grid using the red X button. Enter a <u>valid</u> result-interpretation pair for the DAT IgG test.</p> <p>7. Click on any of the cells pictured below and then change the DAT IgG interpretation to a value that would create an E/Error row validation.</p> <table border="1"> <tr> <td>Additional Tests</td> <td>Date Tests</td> </tr> <tr> <th colspan="6">Direct Antiglobulin Test (DAT IgG)</th> </tr> <tr> <td></td> <td>Lot Number</td> <td>Anti-IgG</td> <td>CC</td> <td>Interp.</td> <td>Comment</td> </tr> </table> <p>8. Clear grid using the red X button. Enter a <u>valid</u> result-interpretation pair for the DAT IgG test.</p> <p>9. Click on any gray area of the test grid and then change the DAT IgG interpretation to a value</p>	Patient Antigen Typing												Lot Number	Vial ID	IS	RT	37	AHG	CC	Interp.	Comment		Additional Tests	Date Tests	Direct Antiglobulin Test (DAT IgG)							Lot Number	Anti-IgG	CC	Interp.	Comment
Patient Antigen Typing																																					
	Lot Number	Vial ID	IS	RT	37	AHG	CC	Interp.	Comment																												
Additional Tests	Date Tests																																				
Direct Antiglobulin Test (DAT IgG)																																					
	Lot Number	Anti-IgG	CC	Interp.	Comment																																

Option: Patient Testing Grids	
	<p>that would create an E/Error row validation.</p>  <p>10. Clear grid using the red X button. Enter a <u>valid</u> result-interpretation pair for the DAT Comp test.</p> <p>11. Click on any of the cells pictured below and then change the DAT Comp interpretation to a value that would create an E/Error row validation.</p>  <p>12. Clear grid using the red X button. Enter a <u>valid</u> result-interpretation pair for the DAT Comp test.</p> <p>13. Click on any gray area of the test grid and then change the DAT Comp interpretation to a value that would create an E/Error row validation.</p> 
<b>Expected Outcome</b>	<p>The system responds by:</p> <ul style="list-style-type: none"> <li>• Enabling the OK button at Steps 2, 4, 6, 8, 10, and 12.</li> <li>• Disabling the OK button at Steps 3, 5, 7, 9, 11, and 13.</li> </ul>

Option: VistA Workload Test Scenario	
<b>Test Objective 3):</b> Demonstrate that workload was transmitted accurately to VistA from all VBECS divisions.	
<b>Scenario 1:</b> Verify that the FileMan search below returns all Workload Codes and Workload Code Methods recorded in the VBECS WORKLOAD CAPTURE file (#6002.01) after the date specified for the PROCESSED DATE field (#4) where the Workload Code Method exists.	
NOTE: In the TEST environment, if the LR TASK NIGHTLY job is not scheduled, it must be scheduled for workload to be reviewed. It may take up to 24 hours after scheduling the LR TASK NIGHTLY before workload data is viewable.	
<b>Data</b>	<p>In VBECS: Create workload events by performing billable patient and unit processes in VBECS. Refer to the VBECS NLT Code Standardization Apr-2010 (corr4.22.10).xls spreadsheet and your local configuration records to determine the scope of your test.</p> <p>In VistA: Transfer the workload to VistA using the LRTASK NIGHTLY option. This may be manually executed if the option has not been queued. Delete the entry in the WORKLOAD RUN DATE field (#1) in the VBECS SITE PARAMETERS file (#6000) if the LRTASK NIGHTLY option is to be executed more than once per day.</p>
<b>User</b>	No specific user role is required.
<b>Steps</b>	<p>1. Execute one of these FILEMAN Searches for the data entry date range:</p> <p>Select OPTION: <b>SEARCH FILE ENTRIES</b></p> <p>OUTPUT FROM WHAT FILE: VBECS WORKLOAD CAPTURE// <b>6002.01</b> VBECS WORKLOAD CAPTURE</p> <p>-A- SEARCH FOR VBECS WORKLOAD CAPTURE FIELD: <b>4</b> PROCESSED DATE</p> <p>-A- CONDITION: <b>GREATER THAN</b></p> <p>-A- GREATER THAN DATE: <b>t-400</b> (APR 21, 2009) <input type="checkbox"/> <i>Pick the appropriate date in the past</i></p>



Option: VistA Workload Test Scenario	
	<pre> -B- SEARCH FOR VBECS WORKLOAD CAPTURE FIELD: 7 WORKLOAD METHOD -B- CONDITION: 'null  -C- SEARCH FOR VBECS WORKLOAD CAPTURE FIELD: &lt;Enter&gt;  IF: A&amp;B PROCESSED DATE GREATER THAN the entire day APR 21,2009 (t-400) and WORKLOAD METHOD NOT NULL OR: &lt;enter&gt;  STORE RESULTS OF SEARCH IN TEMPLATE: &lt;Enter&gt;  SORT BY: TRANSACTION ID// START WITH TRANSACTION ID: FIRST// FIRST PRINT FIELD: .01 TRANSACTION ID THEN PRINT FIELD: 4 PROCESSED DATE THEN PRINT FIELD: 6 WORKLOAD CODE THEN PRINT FIELD: 7 WORKLOAD METHOD THEN PRINT FIELD: &lt;Enter&gt; Heading (S/C): VBECS WORKLOAD CAPTURE SEARCH Replace &lt;Enter&gt; DEVICE: 0;80;99999 UCX TELNET SESSION VBECS WORKLOAD CAPTURE SEARCH MAY 26,2010 16:09 PAGE 1 TRANSACTION ID PROCESSED DATE WORKLOAD CODE WORKLOAD METHOD ----- </pre>
<b>Expected Outcome</b>	<p>The report will present an entry for each workload instance and a total of matches found. Example of an individual entry and the total:</p> <pre> 07BCEE41-C58F-4EC4-B889-5E761B14B893 DEC 3,2009 11:17 Unit Login <i>[This is the Workload Code]</i> VA Leavenworth, KS <i>[This is the Method]</i> nn MATCHES FOUND. </pre> <ol style="list-style-type: none"> <li>2. In VBECS, navigate to <b>Tools-&gt;Workload Codes</b>. Verify the <b>Workload Process</b> and <b>Current Associations</b>.</li> <li>3. In VBECS, navigate to <b>Reports-&gt; Division Workload Report</b>. Set the <b>Start Date</b> and <b>End Date</b> to the <b>Processed Date</b> chosen in Step 1. Generate the report and verify the <b>VBECS Process, Workload Code</b> and <b>Total</b>.</li> </ol>

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## Appendix B: VistA Software Dependency Test Scenarios

VistA Blood Establishment Computer Software (VBECS) related VistA patches require customer validation in local Test accounts prior to installation in Production to meet Food & Drug Administration (FDA) requirements that the Blood Bank software is validated by the user for its intended use prior to its acceptance and use for patient care.

*These are examples of possible test scenarios. Each site is responsible for evaluating changes for their intended use and for establishing additional validation test scenarios (as appropriate). Yellow highlighting has been added to indicate user input, other colors are used to indicate associated data.*

### LR\*5.2\*401 Test Scenarios

Each test objective number corresponds to an item in Enhancements and Modifications.

1. (087 VistA MR 112309) - This will correct workload reporting problems with the workload code suffix, also called the workload method.

<b>Option: LR*5.2*401</b>	
<b>Test Objective 1):</b> Verify that the workload is transmitted once per day only. (092 VistA MR 032310)	
<b>Scenario 1:</b> Create <b>billable</b> workload and transmit it to VistA.	
<b>Data</b>	Configure or ensure that the <b>billable</b> workload processes are configured in VistA and VBECS. Perform work in VBECS that is associated with the <b>billable</b> workload process(es).
<b>User</b>	VBECS Administrator/Supervisor user to configure workload processes No specific role to perform the work in VBECS. VistA administrator with Programmer access to run the report.
<b>Steps</b>	<ol style="list-style-type: none"> <li>1. In VBECS: Print the VBECS workload report to verify that the workload is documented in VBECS.</li> <li>2. In VistA: Use FileMan to edit the WORKLOAD RUN DATE field (#1) in the VBECS SITE PARAMETERS file (#6000) using the @ sign to delete the \$H format date. BBSQATEST3:BBT&gt;D P^DII</li> </ol> <pre> VA FileMan 22.0 Select OPTION: 1 ENTER OR EDIT FILE ENTRIES INPUT TO WHAT FILE: VBECS SITE PARAMETERS// VBECS SITE PARAMETERS EDIT WHICH FIELD: ALL// WORKLOAD RUN DATE THEN EDIT FIELD: &lt;Enter&gt; Select VBECS SITE PARAMETERS FACILITY NAME: 1 VA SITE NAME, VISN # WORKLOAD RUN DATE: 62034// @ SURE YOU WANT TO DELETE? Y </pre> <ol style="list-style-type: none"> <li>3. Enter D ^LRNIGHT at the programmers prompt. BBSQATEST4A2:BBT&gt;D ^LRNIGHT BBSQATEST4A2:BBT&gt;</li> <li>4. Use FileMan to view the WORKLOAD RUN DATE field (#1) in the VBECS SITE PARAMETERS file (#6000). The date should be the current \$H date. The current \$H date can be determine by entering W \$H and the programmer prompt. BBSQATEST3:BBT&gt;D P^DII VA FileMan 22.0</li> </ol>

Option: LR*5.2*401	
	<p>Select OPTION: INQUIRE TO FILE ENTRIES</p> <p>OUTPUT FROM WHAT FILE: VBECS WORKLOAD CAPTURE// 6000 VBECS SITE PARAMETERS</p> <p style="padding-left: 40px;">(1 entry)</p> <p>Select VBECS SITE PARAMETERS FACILITY NAME: ?</p> <p style="padding-left: 40px;">Answer with VBECS SITE PARAMETERS NUMBER, or FACILITY NAME:</p> <p style="padding-left: 80px;">1 VA HEARTLAND - WEST, VISN 15</p> <p>Select VBECS SITE PARAMETERS FACILITY NAME: 1 VA HEARTLAND - WEST, VISN 15</p> <p>ANOTHER ONE: &lt;Enter&gt;</p> <p>STANDARD CAPTIONED OUTPUT? Yes// &lt;Enter&gt; (Yes)</p> <p>Include COMPUTED fields: (N/Y/R/B): NO// &lt;Enter&gt;- No record number (IEN), no Computed Fields</p> <p>FACILITY NAME: VA Name, VISN #</p> <p>.....</p> <p>WORKLOAD RUN DATE: 62033</p> <p>Select VBECS SITE PARAMETERS FACILITY NAME: &lt;Enter&gt;</p> <p>Select OPTION: &lt;Enter&gt;</p> <p>BBSQATEST4A2:BBT&gt;W \$H</p> <p>62033,52529</p> <p>BBSQATEST4A2:BBT&gt;</p>
<b>Expected Outcome</b>	The workload is transmitted accurately to VistA once for that date.
<b>Test Objective 2):</b> Verify the LMIP workload reporting to the DSS Extract is in place. (094 VistA MR 041310)	
<b>Scenario 1: Create crossmatch workload for DSS report retrieval.</b>	
<b>Data</b>	Ensure that the crossmatch workload processes are configured in VistA and VBECS. Perform at least one of each type of crossmatch that you perform, electronic and serologic.
<b>User</b>	VBECS Administrator/Supervisor user to configure workload processes No specific role to perform the crossmatch tests in VBECS. VistA administrator with Programmer access to run the report.

Option: LR*5.2*401											
<b>Steps</b>	<p>1. In VBECS: Print the VBECS workload report to verify that the workload is documented in VBECS.</p> <p>2. In VistA: Use FileMan to edit the WORKLOAD RUN DATE field (#1) in the VBECS SITE PARAMETERS file (#6000) using the @ sign to delete the \$H format date  BBSQATEST3:BBT&gt;D P^DII</p> <p>VA FileMan 22.0  Select OPTION: 1 ENTER OR EDIT FILE ENTRIES  INPUT TO WHAT FILE: VBECS SITE PARAMETERS// 6000 VBECS SITE PARAMETERS  EDIT WHICH FIELD: ALL// WORKLOAD RUN DATE  THEN EDIT FIELD: &lt;Enter&gt;  Select VBECS SITE PARAMETERS FACILITY NAME: 1 VA HEARTLAND - WEST, VISN 15  WORKLOAD RUN DATE: 62034// @  SURE YOU WANT TO DELETE? Y</p> <p>3. Enter D ^LRNIGHT at the programmers prompt.  BBSQATEST4A2:BBT&gt;D ^LRNIGHT  BBSQATEST4A2:BBT&gt;</p> <p>4. Use FileMan to view the data in the INVERSE DATE COMPLETED field (#21) in the ACCESSION WKLD CODE TIME subfile (#64.1111) in the WKLD CODE subfile (#64.111) in the DATE subfile (64.11) of the WKLD DATA file (#64.1).  Example of output with correct INVERSE DATE COMPLETED field filled out :</p> <table border="0"> <thead> <tr> <th>LOCATION</th> <th>TYPE</th> <th>ORDERING</th> <th>LOCATION</th> <th>INVERSE DATE COMPLETED</th> </tr> </thead> <tbody> <tr> <td>CLINIC</td> <td>KC-PC-ON</td> <td>TARGET/RED/SHARMA</td> <td></td> <td><u>7049474.866265</u></td> </tr> </tbody> </table>	LOCATION	TYPE	ORDERING	LOCATION	INVERSE DATE COMPLETED	CLINIC	KC-PC-ON	TARGET/RED/SHARMA		<u>7049474.866265</u>
LOCATION	TYPE	ORDERING	LOCATION	INVERSE DATE COMPLETED							
CLINIC	KC-PC-ON	TARGET/RED/SHARMA		<u>7049474.866265</u>							
<b>Expected Outcome</b>	The presence of the INVERSE DATE COMPLETED field indicates success.										
<b>Test Objective 3):</b> Verify that each division in a multidivisional configuration has uniquely identified workload tallies in VistA. (095 VistA MR 042210)											
<b>Scenario 1:</b> Create and report workload in all divisions.											
<b>Data</b>	Ensure that the billable workload processes are configured in VistA and VBECS in each of the divisions. Perform work in each VBECS division that is associated with the billable workload process(es).										
<b>User</b>	VBECS Administrator/Supervisor user to configure workload processes in the different divisions. No specific role to perform the work in VBECS in the different divisions. VistA administrator with Programmer access to run the report.										

Option: LR*5.2*401	
<b>Steps</b>	<p>1. Use FileMan to edit the WORKLOAD RUN DATE field (#1) in the VBECS SITE PARAMETERS file (#6000) using the @ sign to delete the \$H format date. BBSQATEST3:BBT&gt;D P^DII</p> <p><b>For example:</b> VA FileMan 22.0 Select OPTION: 1 ENTER OR EDIT FILE ENTRIES INPUT TO WHAT FILE: VBECS SITE PARAMETERS// 6000 VBECS SITE PARAMETERS EDIT WHICH FIELD: ALL// WORKLOAD RUN DATE THEN EDIT FIELD: &lt;Enter&gt; Select VBECS SITE PARAMETERS FACILITY NAME: 1 VA HEARTLAND - WEST, VISN 15 WORKLOAD RUN DATE: 62034// @ SURE YOU WANT TO DELETE? Y</p> <p>2. Enter D ^LRNIGHT at the programmers prompt.  <b>For example:</b> BBSQATEST4A2:BBT&gt;D ^LRNIGHT</p> <p>3. Use FileMan to view the data in the DIVISION field (#2) in the VBECS WORKLOAD CAPTURE File (#6002.01) for the most recent entries.  <b>For example:</b> Select VBECS WORKLOAD CAPTURE TRANSACTION ID: F7BA0D29-E084-4BC0-B590-9EF5FCDCF134 ... TRANSACTION ID: F7BA0D29-E084-4BC0-B590-9EF5FCDCF134 TRANSACTION TYPE: MISCELLANEOUS DIVISION: VA SITE NAME, VISN # DATE/TIME: NOV 03, 2010@11:09:29 PROCESSED DATE: NOV 03, 2010@11:38:21</p>
<b>Expected Outcome</b>	The correct institution names should display with their associated workload as entered.
<b>Test Objective 4):</b> This ensures workload processing in VistA when a user is not recorded for a VBECS workload event. (097 VistA MR 060210)	
<b>Scenario 1:</b> Enter the following data before the patch is installed, and again afterwards.	
<b>Data</b>	N/A
<b>User</b>	VBECS Administrator/Supervisor user to configure workload processes No specific role to perform the work in VBECS. VistA administrator with Programmer access to run the report.
<b>Steps</b>	<p><b>Before Patch Installation:</b> BBPROD4A2:BBPR&gt;ZL LRCAPBV</p> <p>BBPROD4A2:BBPR&gt;S ERR=99,ANS(6002.01,1,10,"I")="",IEN=1 D TEC</p> <p>. I '\$D(^VA(200,LRTEC,0)) S ERR=10 D EUPDATE ^ &lt;SUBSCRIPT&gt;TEC+1^LRCAPBV ^VA(200,"") BBPROD4A2:BBPR 3d0&gt;</p> <p><b>After Patch Installation:</b> BBMGR4A2:BB2&gt;ZL LRCAPBV</p> <p>BBMGR4A2:BB2&gt;S ERR=99,ANS(6002.01,1,10,"I")="",IEN=1 D TEC</p> <p>BBMGR4A2:BB2&gt;</p>

<b>Option: LR*5.2*401</b>	
<b>Expected Outcome</b>	The error will display before the patch is installed but not after.

<b>Option: VBEC*1.0*10</b>	
<b>(086 Vista MR 110909), (089 Vista MR 011310), and (098 Vista MR 070810) is not testable by local IRM. See the Patch Description Message for details.</b>	
<b>Test Objective 1):</b> Verify that the workload suffix/method is accurately transmitted to Vista. (087 Vista MR 112309)	
<b>Scenario 1:</b> Create workload and transmit suffixed workload to Vista.	

<b>Data</b>	Ensure that the billable workload processes are configured in Vista and VBECs in each of the divisions with suffix other than “.0000”. Perform work that is associated with the suffixed billable workload process(es).
<b>User</b>	VBECs Administrator/Supervisor user to configure workload processes No specific role to perform the crossmatch tests in VBECs. Vista administrator with Programmer access to run the report.
<b>Steps</b>	<ol style="list-style-type: none"> <li>Use the Global Lister to determine the last entry in the VBECs WORKLOAD CAPTURE (#6002.01) by entering VBEC(6002.01,,0 at the Global prompt.  <b>For example:</b> ^VBEC (6002.01, 2279, 0)=2155439D-FC37-4BB7-839E-F2EA8B3B8A61^U^589^3101115.135211^3101116.040012^S</li> <li>Use FileMan to edit the WORKLOAD RUN DATE field (#1) in the VBECs SITE PARAMETERS file (#6000) using the @ sign to delete the \$H format date.  <b>For example:</b> Select OPTION: ENTER OR EDIT FILE ENTRIES EDIT WHICH FIELD: ALL// 1 WORKLOAD RUN DATE Select VBECs SITE PARAMETERS FACILITY NAME: 1 VA SITE NAME, VISN# WORKLOAD RUN DATE: 62046// @ SURE YOU WANT TO DELETE? Y</li> <li>Run LRNIGHT Enter D ^LRNIGHT &lt;ENTER&gt; at the programmers prompt.</li> <li>Use the Global Lister to determine the last entry in the VBECs WORKLOAD CAPTURE (#6002.01) by entering VBEC(6002.01,,0 at the Global prompt. This number in conjunction with the number determined in step 2 will give the range of new numbers.  <b>For example:</b> ^VBEC (6002.01, 2300, 0)=57A843EC-B88C-4C12-87BA-F360A65D2B63^U^589^3101116.142535^3101116.144659^S "WKLD")=102950^1960^1^^53333^^^04210^29 ^LAB (64.2, 1960, 0)=VA LEAVENWORTH, KS^8686^^^^38^^^^H^^90^10 ^LAM(102950,0)=Unit login^86080.8686^^^^43^^^^^^4</li> <li>Use FileMan to review the information stored in the WORKLOAD CODE (#6) and WORKLOAD METHOD (#7) fields and verify that this information matches the data in VBECs.  <b>For example:</b> OUTPUT FROM WHAT FILE: 6002.01 VBECs WORKLOAD CAPTURE Select VBECs WORKLOAD CAPTURE TRANSACTION ID: 57A843EC-B88C-4C12-87BA-</li> </ol>

**Option: VBEC\*1.0\*10**

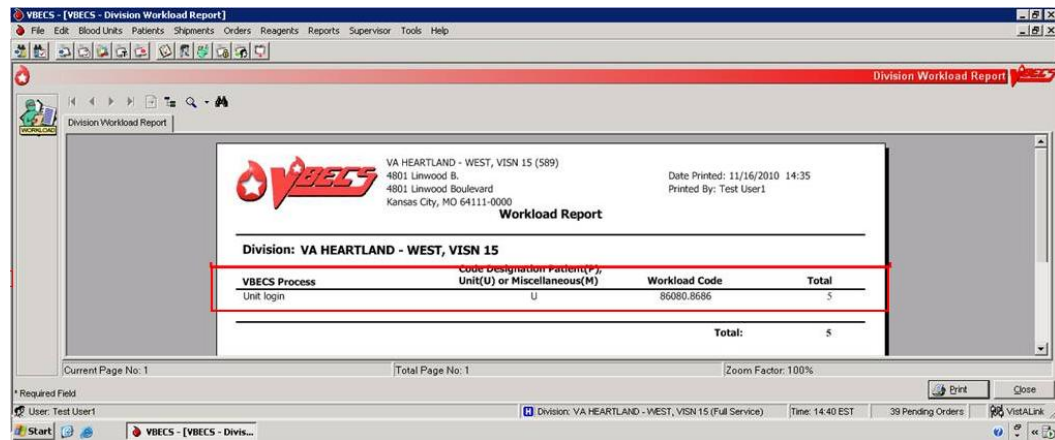
**F360A65D2B63**

TRANSACTION ID: 57A843EC-B88C-4C12-87BA-F360A65D2B63  
 TRANSACTION TYPE: UNITS DIVISION: VA  
 HEARTLAND - WEST, VISN 15  
 DATE/TIME: NOV 16, 2010@14:25:35 PROCESSED DATE: NOV  
 16, 2010@14:46:59  
 STATUS: Successfully Processed WORKLOAD  
 CODE: **Unit login**  
 WORKLOAD METHOD: **VA LEAVENWORTH, KS** MULTIPLY FACTOR: 1  
 USER ID: USER,ONE  
 PRODUCT CODE: 04210  
 ACCESSION AREA: BLOOD BANK

Then check the Workload Code value:

OUTPUT FROM WHAT FILE: **64 WKLD CODE**  
 Select WKLD CODE PROCEDURE: **unit login** Unit login 86080.8686  
 PROCEDURE: Unit login WKLD CODE: 86080.**8686**  
 UNIT FOR COUNT: UNIT WKLD CODE LAB SECTION: Blood Bank  
 CODE: 20467 BLOOD BANK ALERT:IMP:PT:~PATIENT:NOM  
 TYPE: LOINC RELEASE DATE: OCT 31, 2009

Then check the VBECs report:



**Expected Outcome**

Suffixed workload **86080.8686** is accurately transmitted to Vista.

**Test Objective 2):** Verify that reactivated clinics (those inactivated and later reactivated) are now available for selection in VBECs. (088 Vista MR 010710)

**Scenario 1: Create a re-activated clinic location.**

**Data**

N/A

**User**

VBECs Administrator/Supervisor user  
 Vista Administrator with Programmer access to run the report.

**Steps**

1. Create a new location in the HOSPITAL LOCATION file (#44).  
**For example:**  
 TEST HOPITAL LOCATION FOR VBEC TVBECs  
 10-25-10



Option: VBEC*1.0*10	
	<p>2. Assign it an Inactivation and Reactivation date. Both should be in the past.</p> <p><b>For example:</b>            INACTIVATE DATE: OCT 25,2010//            REACTIVATE DATE: T-5 (OCT 30, 2010)</p> <p>3. Log on to the VBECs Administrator.</p> <p>4. Select the Configure Division tab to update the list of mapped VistA locations.</p>
<b>Expected Outcome</b>	Step 4: The new location should be selectable as a VistA institution in the "map orders" pick list.
<b>Test Objective 3):</b> The REQ BLOOD KIND prompt will display blood products for a patient Surgery event. Entering one or more question marks at this prompt produces a list of available blood product types entered for the patient. (091 VistA MR 030910)	
Scenario 1: Use FileMan queries to test the Surgery package information.	
<b>Data</b>	N/A
<b>User</b>	VistA administrator with Programmer access to run the report.
<b>Steps</b>	<p>The following sequence can be followed to test the functionality.</p> <pre>BBSQATEST3:BBT&gt;D P^DII</pre> <p>VA FileMan 22.0</p> <p>Select OPTION: 1 ENTER OR EDIT FILE ENTRIES</p> <p>INPUT TO WHAT FILE: VBECs WORKLOAD CAPTURE// 130 SURGERY            (143816 entries)</p> <p>EDIT WHICH FIELD: ALL// REQ BLOOD</p> <p>1 REQ BLOOD AVAIL            2 REQ BLOOD KIND (multiple)</p> <p>CHOOSE 1-2: 2 REQ BLOOD KIND (multiple)</p> <p>EDIT WHICH REQ BLOOD KIND SUB-FIELD: ALL// REQ BLOOD KIND</p> <p>THEN EDIT REQ BLOOD KIND SUB-FIELD: &lt;Enter&gt;</p> <p>THEN EDIT FIELD: &lt;Enter&gt;</p> <p>Select SURGERY PATIENT: XXXXXXXXXXXX COMPLICATED UPPER U            RETERO-RENOSCOPY mm-dd-yy xxx-xx-xxxx NSC VETERAN KC</p> <p>Select REQ BLOOD KIND: RED BLOOD CELLS// ?</p> <p>Answer with REQ BLOOD KIND:</p> <p>1 RED BLOOD CELLS ← <i>This had been selected in the past.</i></p> <p>You may enter a new REQ BLOOD KIND, if you wish            Answer must be 3-45 characters in length            Selects only orderable blood components.</p> <p>RED BLOOD CELLS - RBC ← <i>All available choices are displayed.</i>            FRESH FROZEN PLASMA - FFP            CRYOPRECIPITATE - CRYO            PLATELETS - PLT            OTHER - OTHER            WHOLE BLOOD - WB</p> <p>Select REQ BLOOD KIND: RED BLOOD CELLS// FRESH FROZEN PLASMA</p> <p>Select REQ BLOOD KIND: ?</p> <p>Answer with REQ BLOOD KIND            Choose from:</p>

Option: VBEC*1.0*10	
	<p>1 RED BLOOD CELLS ← <i>This had been selected in the past.</i>  2 FRESH FROZEN PLASMA ← <i>This was selected this time.</i></p> <p>You may enter a new REQ BLOOD KIND, if you wish  Answer must be 3-45 characters in length  Selects only orderable blood components.</p> <p>RED BLOOD CELLS - RBC ← <i>All available choices are displayed.</i>  FRESH FROZEN PLASMA - FFP  CRYOPRECIPITATE - CRYO  PLATELETS - PLT  OTHER - OTHER  WHOLE BLOOD - WB  Select REQ BLOOD KIND:</p>
<b>Expected Outcome</b>	All appropriate choices are displayed.
Scenario 2: Verify the Surgery package displays the appropriate data using the user interface.	
<b>Data</b>	Create an issued unit for a patient in VBECS where units have been previously issued for the patient
<b>User</b>	No specific role in VBECS. Vista administrator with FileMan access to run the report.
<b>Steps</b>	<p>The following steps can be used to test this modification:</p> <ol style="list-style-type: none"> <li>Use the FileMan.edit option to access the REQ BLOOD KIND field (#.01) in the REQ BLOOD KIND subfile (#130.14) in the SURGERY file (#130).</li> </ol> <p><b>For example:</b>  BBSQATEST3:BBT&gt;D P^DII</p> <p>VA FileMan 22.0</p> <p>Select OPTION: 1 ENTER OR EDIT FILE ENTRIES</p> <p>INPUT TO WHAT FILE: VBECS WORKLOAD CAPTURE// 130 SURGERY  (143816 entries)</p> <p>EDIT WHICH FIELD: ALL// REQ BLOOD</p> <p>1 REQ BLOOD AVAIL  2 REQ BLOOD KIND (multiple)</p> <p>CHOOSE 1-2: 2 REQ BLOOD KIND (multiple)</p> <p>EDIT WHICH REQ BLOOD KIND SUB-FIELD: ALL//// REQ BLOOD KIND</p> <p>THEN EDIT REQ BLOOD KIND SUB-FIELD: &lt;Enter&gt;</p> <p>THEN EDIT FIELD: &lt;Enter&gt;</p> <p>Select SURGERY PATIENT: XXXXXXXXXXXX COMPLICATED UPPER U  RETERO-RENOSCOPY mm-dd-yy xxx-xx-xxxx NSC VETERAN KC</p> <p>Select REQ BLOOD KIND: RED BLOOD CELLS// &lt;Enter&gt;</p> <ol style="list-style-type: none"> <li>Select the Patient and enter ?? (two question marks) at the REQ BLOOD KIND prompt.</li> </ol> <p><b>For example:</b></p> <p>Select REQ BLOOD KIND: RED BLOOD CELLS// ??</p> <p><b>For example:</b>  Choose from:</p> <p>1 RED BLOOD CELLS  2 FRESH FROZEN PLASMA</p>

Option: VBEC*1.0*10	
	<p>You may enter a new REQ BLOOD KIND, if you wish</p> <p>RED BLOOD CELLS - RBC  FRESH FROZEN PLASMA - FFP  CRYOPRECIPITATE - CRYO  PLATELETS - PLT  OTHER - OTHER  WHOLE BLOOD - WB</p> <p>This is the blood product required during this operative procedure.  More than one type of blood product may be ordered for a procedure.</p> <p>Select REQ BLOOD KIND: RED BLOOD CELLS//</p>
<b>Expected Outcome</b>	Any Blood Products previously selected should display followed by a list of available Blood Products.

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## Appendix C: Additional Blood Product Table Changes

These tables are organized by ascending Product Code order. There are two tables in total for this release.

Table 1: ISBT 128 Blood Product Table Change Details

Table 2: Codabar Blood Product Table Change Details

**Figure 1: Key**

Code	Interpretation																								
Retire Date	This is a date that the code is no longer in use for blood collection. This does not effect processing of existing units.																								
PV	Product Volume (the default average volume)																								
MST	Maximum Storage Time (from receipt to expiration)																								
@B2	Gly40%/500mL/<-65C (which translates to: suspended in 40% glycerol, 500 mL original collection volume, storage at less than -65C)																								
@AS	None/XX/refg (which translates to: no measurable anticoagulant, unknown original collection volume, storage at refrigeration)																								
@BD	None/NS/<=-18C (which translates to: no measurable anticoagulant, no specified original collection volume, storage at less than or at -18C )																								
@84	None/XX/<=-18C (which translates to: no measurable anticoagulant, unknown original collection volume, storage at less than or at -18C )																								
@37	CP2D/XX/<=-18C (which translates to: anticoagulant CP2D, unknown original collection volume, storage at less than or at -18C)																								
@92	NS/XX/rt (which translates to: anticoagulant Not Specified, unknown original collection volume, storage at room temperature)																								
@47	ACD-A/XX/<=-18C (which translates to: anticoagulant ACD-A, unknown original collection volume, storage at less than or at -18C)																								
@51	ACD-A/XX/<-65C (which translates to: anticoagulant ACD-A, unknown original collection volume, storage at less than -65C)																								
@CG	NS/XX/refg (which translates to: anticoagulant Not Specified, unknown original collection volume, storage at refrigeration)																								
C2	Irradiated																								
D4	ResLeu:<5log6 (leukocyte reduced to less than this value)																								
H attribute describes apheresis and Container: Additional Info	<table border="1"> <tbody> <tr> <td>H1</td> <td>*Def Aphr:No additional info</td> </tr> <tr> <td>H2</td> <td>Aphr not automated</td> </tr> <tr> <td>H3</td> <td>1st container</td> </tr> <tr> <td>H4</td> <td>2nd container</td> </tr> <tr> <td>H5</td> <td>3rd container</td> </tr> <tr> <td>H6</td> <td>4th container</td> </tr> <tr> <td>H7</td> <td>1st container:not auto</td> </tr> <tr> <td>H8</td> <td>2nd container:not auto</td> </tr> <tr> <td>H9</td> <td>5th container</td> </tr> <tr> <td>HA</td> <td>6th container</td> </tr> <tr> <td>HB</td> <td>7th container</td> </tr> <tr> <td>HC</td> <td>8th container</td> </tr> </tbody> </table>	H1	*Def Aphr:No additional info	H2	Aphr not automated	H3	1st container	H4	2nd container	H5	3rd container	H6	4th container	H7	1st container:not auto	H8	2nd container:not auto	H9	5th container	HA	6th container	HB	7th container	HC	8th container
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HA	6th container																								
HB	7th container																								
HC	8th container																								

**Table 1: ISBT 128 Blood Product Table Change Details**

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes (MST= Maximum Storage Time PV= Product PV)</b>
WHOLE BLOOD	E0131	Added RetireDate 9/1/2003
WHOLE BLOOD	E0132	Added RetireDate 9/1/2003
WHOLE BLOOD	E0133	Added RetireDate 9/1/2003
WHOLE BLOOD	E0134	Added RetireDate 9/1/2003
RED BLOOD CELLS	E0284	Added RetireDate 9/1/2004
RED BLOOD CELLS	E0285	Added RetireDate 9/1/2004
RED BLOOD CELLS	E0286	Added RetireDate 9/1/2004
RED BLOOD CELLS	E0287	Added RetireDate 9/1/2004
RED BLOOD CELLS	E0288	Added RetireDate 9/1/2004
RED BLOOD CELLS	E0289	Added RetireDate 9/1/2004
RED BLOOD CELLS	E0290	Added RetireDate 9/1/2004
RED BLOOD CELLS	E0429	Changed MST from 840 to 1008
RED BLOOD CELLS	E0430	Changed MST from 840 to 1008
RED BLOOD CELLS	E0431	Changed MST from 840 to 1008
RED BLOOD CELLS	E0432	Changed MST from 840 to 1008
RED BLOOD CELLS	E0439	Changed MST from 840 to 1008
RED BLOOD CELLS	E0440	Changed MST from 840 to 1008
RED BLOOD CELLS	E0441	Changed MST from 840 to 1008
RED BLOOD CELLS	E0442	Changed MST from 840 to 1008
RED BLOOD CELLS	E0443	Changed MST from 840 to 1008
RED BLOOD CELLS	E0450	Changed MST from 840 to 1008
Rejuvenated RED BLOOD CELLS	E0571	Changed MST from 336 to 24
Rejuvenated RED BLOOD CELLS	E0572	Changed MST from 336 to 24
Rejuvenated RED BLOOD CELLS	E0580	Changed MST from 336 to 24
Rejuvenated RED BLOOD CELLS	E0581	Changed MST from 336 to 24
Rejuvenated RED BLOOD CELLS	E0582	Changed MST from 336 to 24
Rejuvenated RED BLOOD CELLS	E0583	Changed MST from 336 to 24
Rejuvenated RED BLOOD CELLS	E0584	Changed MST from 336 to 24
Rejuvenated RED BLOOD CELLS	E0585	Changed MST from 336 to 24
Rejuvenated RED BLOOD CELLS	E0586	Changed MST from 336 to 24
Rejuvenated RED BLOOD CELLS	E0594	Changed MST from 336 to 24
Rejuvenated RED BLOOD CELLS	E0595	Changed MST from 336 to 24
Rejuvenated RED BLOOD CELLS	E0596	Changed MST from 336 to 24
Rejuvenated RED BLOOD CELLS	E0597	Changed MST from 336 to 24
Rejuvenated RED BLOOD CELLS	E0598	Changed MST from 336 to 24
Rejuvenated RED BLOOD CELLS	E0599	Changed MST from 336 to 24
Rejuvenated RED BLOOD CELLS	E0600	Changed MST from 336 to 24
Rejuvenated RED BLOOD CELLS	E0604	Changed MST from 336 to 24

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes (MST= Maximum Storage Time PV= Product PV)</b>
Thawed Apheresis FRESH FROZEN PLASMA	E2008	Changed ">=00mL" to ">=600mL" in ProductName
Thawed FRESH FROZEN PLASMA	E2457	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2458	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2462	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2463	Changed MST from 120 to 960
Thawed FRESH FROZEN PLASMA	E2464	Changed MST from 120 to 960
Thawed FRESH FROZEN PLASMA	E2468	Changed MST from 120 to 960
Thawed FRESH FROZEN PLASMA	E2469	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2470	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2474	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2475	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2476	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2480	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2481	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2482	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2483	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2484	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2485	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2486	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2487	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2488	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2489	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2490	Changed MST from 120 to 960
Thawed FRESH FROZEN PLASMA	E2491	Changed MST from 120 to 960
Thawed FRESH FROZEN PLASMA	E2492	Changed MST from 120 to 960
Thawed FRESH FROZEN PLASMA	E2493	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2494	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E2495	Changed MST from 120 to 624
PLATELETS	E2811	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2812	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2814	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2815	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2818	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2819	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2821	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2822	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2828	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2829	Changed MST from 4 to 120 and PV from 15 to 50

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes (MST= Maximum Storage Time PV= Product PV)</b>
PLATELETS	E2831	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2832	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2837	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2838	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2840	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2841	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2846	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2847	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2849	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2850	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2855	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2856	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2858	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2859	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2864	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2865	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2867	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	E2868	Changed MST from 4 to 120 and PV from 15 to 50
Apheresis PLATELETS	E2930	Changed MST from 120 to 24
Apheresis PLATELETS	E2931	Changed MST from 120 to 24
Apheresis PLATELETS	E2932	Changed MST from 120 to 24
Apheresis PLATELETS	E2933	Changed MST from 120 to 24
Apheresis PLATELETS	E3276	Changed MST from 120 to 24
Apheresis PLATELETS	E3277	Changed MST from 120 to 24
Apheresis PLATELETS	E3278	Changed MST from 120 to 24
Apheresis PLATELETS	E3279	Changed MST from 120 to 24
Apheresis PLATELETS	E3280	Changed MST from 120 to 24
Apheresis PLATELETS	E3281	Changed MST from 120 to 24
Apheresis PLATELETS	E3282	Changed MST from 120 to 24
Apheresis PLATELETS	E3283	Changed MST from 120 to 24
Apheresis PLATELETS	E3284	Changed MST from 120 to 24
Apheresis PLATELETS	E3285	Changed MST from 120 to 24
Apheresis PLATELETS	E3294	Changed MST from 120 to 24
Apheresis PLATELETS	E3295	Changed MST from 120 to 24
Apheresis PLATELETS	E3296	Changed MST from 120 to 24
Apheresis PLATELETS	E3297	Changed MST from 120 to 24
Apheresis PLATELETS	E3298	Changed MST from 120 to 24
Apheresis PLATELETS	E3299	Changed MST from 120 to 24



<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes (MST= Maximum Storage Time PV= Product PV)</b>
Apheresis PLATELETS	E3300	Changed MST from 120 to 24
Apheresis PLATELETS	E3301	Changed MST from 120 to 24
Apheresis PLATELETS	E3310	Changed MST from 120 to 24
Apheresis PLATELETS	E3311	Changed MST from 120 to 24
Apheresis PLATELETS	E3312	Changed MST from 120 to 24
Apheresis PLATELETS	E3313	Changed MST from 120 to 24
Apheresis PLATELETS	E3314	Changed MST from 120 to 24
Apheresis PLATELETS	E3315	Changed MST from 120 to 24
Apheresis PLATELETS	E3316	Changed MST from 120 to 24
Apheresis PLATELETS	E3381	Changed MST from 120 to 24
Apheresis PLATELETS	E3382	Changed MST from 120 to 24
Apheresis PLATELETS	E3383	Changed MST from 120 to 24
Apheresis PLATELETS	E3384	Changed MST from 120 to 24
Apheresis PLATELETS	E3385	Changed MST from 120 to 24
Apheresis PLATELETS	E3386	Changed MST from 120 to 24
Apheresis PLATELETS	E3387	Changed MST from 120 to 24
Apheresis PLATELETS	E3388	Changed MST from 120 to 24
Apheresis PLATELETS	E3389	Changed MST from 120 to 24
Apheresis PLATELETS	E3390	Changed MST from 120 to 24
Apheresis PLATELETS	E3391	Changed MST from 120 to 24
Apheresis PLATELETS	E3392	Changed MST from 120 to 24
Apheresis PLATELETS	E3393	Changed MST from 120 to 24
Apheresis PLATELETS	E3394	Changed MST from 120 to 24
Apheresis PLATELETS	E3395	Changed MST from 120 to 24
Apheresis PLATELETS	E3396	Changed MST from 120 to 24
Apheresis PLATELETS	E3397	Changed MST from 120 to 24
Apheresis PLATELETS	E3398	Changed MST from 120 to 24
Apheresis PLATELETS	E3399	Changed MST from 120 to 24
Apheresis PLATELETS	E3400	Changed MST from 120 to 24
Apheresis PLATELETS	E3401	Changed MST from 120 to 24
Apheresis PLATELETS	E3402	Changed MST from 120 to 24
Apheresis PLATELETS	E3403	Changed MST from 120 to 24
Apheresis PLATELETS	E3404	Changed MST from 120 to 24
Apheresis PLATELETS	E3405	Changed MST from 120 to 24
Apheresis PLATELETS	E3406	Changed MST from 120 to 24
Apheresis PLATELETS	E3407	Changed MST from 120 to 24
Apheresis PLATELETS	E3408	Changed MST from 120 to 24
Apheresis PLATELETS	E3409	Changed MST from 120 to 24

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes (MST= Maximum Storage Time PV= Product PV)</b>
Apheresis PLATELETS	E3410	Changed MST from 120 to 24
Apheresis PLATELETS	E3411	Changed MST from 120 to 24
Apheresis PLATELETS	E3412	Changed MST from 120 to 24
Apheresis PLATELETS	E3413	Changed MST from 120 to 24
Apheresis PLATELETS	E3414	Changed MST from 120 to 24
Apheresis PLATELETS	E3415	Changed MST from 120 to 24
Apheresis PLATELETS	E3416	Changed MST from 120 to 24
Apheresis PLATELETS	E3417	Changed MST from 120 to 24
Apheresis PLATELETS	E3418	Changed MST from 120 to 24
Apheresis PLATELETS	E3419	Changed MST from 120 to 24
Apheresis PLATELETS	E3420	Changed MST from 120 to 24
Apheresis PLATELETS	E3421	Changed MST from 120 to 24
Apheresis PLATELETS	E3422	Changed MST from 120 to 24
Apheresis PLATELETS	E3423	Changed MST from 120 to 24
Apheresis PLATELETS	E3424	Changed MST from 120 to 24
Apheresis PLATELETS	E3425	Changed MST from 120 to 24
Apheresis PLATELETS	E3426	Changed MST from 120 to 24
Apheresis PLATELETS	E3427	Changed MST from 120 to 24
Apheresis PLATELETS	E3428	Changed MST from 120 to 24
Apheresis PLATELETS	E3429	Changed MST from 120 to 24
Apheresis PLATELETS	E3430	Changed MST from 120 to 24
Apheresis PLATELETS	E3431	Changed MST from 120 to 24
Apheresis PLATELETS	E3432	Changed MST from 120 to 24
Apheresis PLATELETS	E3433	Changed MST from 120 to 24
Apheresis PLATELETS	E3434	Changed MST from 120 to 24
Apheresis PLATELETS	E3435	Changed MST from 120 to 24
Apheresis PLATELETS	E3436	Changed MST from 120 to 24
Apheresis PLATELETS	E3437	Changed MST from 120 to 24
Apheresis PLATELETS	E3438	Changed MST from 120 to 24
Apheresis PLATELETS	E3439	Changed MST from 120 to 24
Apheresis PLATELETS	E3440	Changed MST from 120 to 24
Apheresis PLATELETS	E3441	Changed MST from 120 to 24
Apheresis PLATELETS	E3442	Changed MST from 120 to 24
Apheresis PLATELETS	E3443	Changed MST from 120 to 24
Apheresis PLATELETS	E3444	Changed MST from 120 to 24
Apheresis PLATELETS	E3445	Changed MST from 120 to 24
Apheresis PLATELETS	E3446	Changed MST from 120 to 24
LEUKOCYTES	E3731	Changed MST from 4 to 24

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes (MST= Maximum Storage Time PV= Product PV)</b>
LEUKOCYTES	E3736	Changed MST from 4 to 24
LEUKOCYTES	E3741	Changed MST from 4 to 24
LEUKOCYTES	E3746	Changed MST from 4 to 24
LEUKOCYTES	E3751	Changed MST from 4 to 24
LEUKOCYTES	E3756	Changed MST from 4 to 24
Apheresis LEUKOCYTES	E3775	Changed MST from 4 to 24
Apheresis LEUKOCYTES	E3776	Changed MST from 4 to 24
Apheresis LEUKOCYTES	E3779	Changed MST from 4 to 24
Apheresis LEUKOCYTES	E3780	Changed MST from 4 to 24
Apheresis LEUKOCYTES	E3783	Changed MST from 4 to 24
Apheresis LEUKOCYTES	E3784	Changed MST from 4 to 24
Apheresis LEUKOCYTES	E3786	Changed MST from 4 to 24
Apheresis LEUKOCYTES	E3787	Changed MST from 4 to 24
Apheresis LEUKOCYTES	E3791	Changed MST from 4 to 24
Apheresis LEUKOCYTES	E3792	Changed MST from 4 to 24
Apheresis LEUKOCYTES	E3795	Changed MST from 4 to 24
Apheresis LEUKOCYTES	E3796	Changed MST from 4 to 24
Apheresis LEUKOCYTES	E3799	Changed MST from 4 to 24
Apheresis LEUKOCYTES	E3800	Changed MST from 4 to 24
Apheresis LEUKOCYTES	E3802	Changed MST from 4 to 24
Apheresis LEUKOCYTES	E3803	Changed MST from 4 to 24
POOLED PLASMA	E3805	Changed MST from 8760 to 24
POOLED PLASMA	E3806	Changed MST from 8760 to 24
POOLED PLASMA	E3807	Changed MST from 8760 to 24
POOLED PLASMA	E3808	Changed MST from 8760 to 24
POOLED PLASMA	E3809	Changed MST from 8760 to 24
POOLED PLASMA	E3810	Changed MST from 8760 to 24
Apheresis RED BLOOD CELLS	E3824	Changed MST from 840 to 1008
PLATELETS	E3840	Changed PV from 15 to 50; Changed MST from 4 to 120
PLATELETS	E3841	Changed PV from 15 to 50; Changed MST from 4 to 120
RED BLOOD CELLS	E3844	Changed MST from 840 to 1008
RED BLOOD CELLS	E3846	Changed MST from 840 to 1008
RED BLOOD CELLS	E3848	Changed MST from 840 to 1008
RED BLOOD CELLS	E3850	Changed MST from 840 to 1008
Thawed FRESH FROZEN PLASMA	E3853	Changed MST from 120 to 624
FRESH FROZEN PLASMA	E3868	Changed "<-30" to "<-30C" in ProductName
Apheresis FRESH FROZEN PLASMA	E3888	Changed "<-25" to "<-25C" in ProductName
SERUM	E3894	Changed MST from 8760 to 24

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes (MST= Maximum Storage Time PV= Product PV)</b>
Apheresis FRESH FROZEN PLASMA	E3932	Added "For mnf:injectable " to ProductName
Washed RED BLOOD CELLS	E3939	Changed MST from 336 to 24
Washed RED BLOOD CELLS	E3940	Changed MST from 336 to 24
Frozen RED BLOOD CELLS	E3941	Added RetireDate 11/3/2008
POOLED PLASMA	E3992	Added "For mnf:injectable " to ProductName
Apheresis RED BLOOD CELLS	E4027	Changed MST from 840 to 1008
POOLED PLASMA	E4039	Changed PV from 200 to 225; Changed MST from 17520 to 8760
Apheresis RED BLOOD CELLS	E4040	Changed MST from 840 to 1008
Apheresis RED BLOOD CELLS	E4041	Changed MST from 840 to 1008
Apheresis RED BLOOD CELLS	E4044	Changed MST from 840 to 1008
Apheresis RED BLOOD CELLS	E4045	Changed MST from 840 to 1008
RED BLOOD CELLS	E4046	Changed MST from 840 to 1008
Apheresis FRESH FROZEN PLASMA	E4059	Removed "D5" from ProductAttributeForm and "LUKORP" from ProductShortName
Apheresis FRESH FROZEN PLASMA	E4060	Removed "D5" from ProductAttributeForm and "LUKORP" from ProductShortName
POOLED PLATELETS	E4062	Removed "D5" from ProductAttributeForm and "LUKORP" from ProductShortName
POOLED PLATELETS	E4064	Removed "EA" from ProductAttributeForm and "SUPRed" from ProductShortName
Apheresis PLATELETS	E4085	Added "3rd container" to ProductName
RED BLOOD CELLS	E4115	Added RetireDate 11/3/2008
RED BLOOD CELLS	E4116	Changed MST from 840 to 1008
Apheresis RED BLOOD CELLS	E4117	Added RetireDate 11/3/2008; Replaced "SAGM" with "CPDA-1" in short name.
Apheresis RED BLOOD CELLS	E4118	Added RetireDate 11/3/2008; Replaced "SAGM" with "CPDA-1" in short name
FRESH FROZEN PLASMA	E4121	Changed "450 mL" to "450mL" in ProductName
FRESH FROZEN PLASMA	E4122	Changed "450 mL" to "450mL" in ProductName
FRESH FROZEN PLASMA	E4126	Changed "450 mL" to "450mL" in ProductName
Washed Apheresis PLATELETS	E4133	Added "Washed" to ProductName
Washed Apheresis PLATELETS	E4134	Added "Washed" to ProductName
Washed Apheresis PLATELETS	E4135	Added "Washed" to ProductName
Washed Apheresis PLATELETS	E4136	Added "Washed" to ProductName
Washed Apheresis PLATELETS	E4137	Added "Washed" to ProductName
Washed Apheresis PLATELETS	E4138	Added "Washed" to ProductName
RED BLOOD CELLS	E4139	Added RetireDate 11/3/2008; Changed MST from 840 to 1008
Apheresis LYMPHOCYTES	E4147	Changed MST from 4 to 24
RED BLOOD CELLS	E4159	Added RetireDate 11/3/2008; Changed MST from 840 to 1008
RED BLOOD CELLS	E4161	Changed MST from 840 to 1008
FRESH FROZEN PLASMA	E4193	Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	E4194	Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	E4195	Changed MST from 8760 to 61320

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes (MST= Maximum Storage Time PV= Product PV)</b>
FRESH FROZEN PLASMA	E4196	Changed MST from 8760 to 61320
Washed RED BLOOD CELLS	E4398	Changed MST from 336 to 24
Washed RED BLOOD CELLS	E4399	Changed MST from 336 to 24
Apheresis RED BLOOD CELLS	E4401	Changed MST from 840 to 1008
Washed Apheresis PLATELETS	E4434	Removed "D5" from ProductAttributeForm and "LUKORP" from ProductShortName
Apheresis FRESH FROZEN PLASMA	E4467	Changed MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	E4474	Changed MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	E4475	Changed MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	E4476	Changed MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	E4477	Changed MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	E4478	Changed MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	E4479	Changed MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	E4480	Changed MST from 8760 to 61320
Apheresis PLATELETS	E4487	Added RetireDate 9/1/2009
Apheresis PLATELETS	E4488	Added RetireDate 9/1/2009
Apheresis PLATELETS	E4489	Added RetireDate 9/1/2009
Apheresis PLATELETS	E4490	Added RetireDate 9/1/2009
Washed Apheresis PLATELETS	E4491	Added RetireDate 9/1/2009
Washed Apheresis PLATELETS	E4492	Added RetireDate 9/1/2009
Washed Apheresis PLATELETS	E4493	Added RetireDate 9/1/2009
Washed Apheresis PLATELETS	E4494	Added RetireDate 9/1/2009
Washed Apheresis PLATELETS	E4500	Removed "D5" from ProductAttributeForm and "LUKORP" from ProductShortName
Frozen RED BLOOD CELLS	E4523	Added RetireDate 11/3/2008
Apheresis RED BLOOD CELLS	E4548	Added RetireDate 3/1/2008; Changed MST from 504 to 1008
Apheresis RED BLOOD CELLS	E4549	Added RetireDate 3/1/2008; Changed MST from 504 to 672
Apheresis RED BLOOD CELLS	E4550	Added RetireDate 3/1/2008; Changed MST from 504 to 672
Apheresis RED BLOOD CELLS	E4551	Added RetireDate 3/1/2008; Changed MST from 504 to 672
Apheresis RED BLOOD CELLS	E4552	Added RetireDate 3/1/2008; Changed MST from 504 to 672
Apheresis RED BLOOD CELLS	E4553	Added RetireDate 3/1/2008; Changed MST from 504 to 672
Apheresis RED BLOOD CELLS	E4554	Added RetireDate 3/1/2008; Changed MST from 504 to 672
Apheresis RED BLOOD CELLS	E4555	Added RetireDate 3/1/2008; Changed MST from 504 to 1008
Apheresis RED BLOOD CELLS	E4556	Added RetireDate 3/1/2008; Changed MST from 504 to 1008
Apheresis RED BLOOD CELLS	E4557	Added RetireDate 3/1/2008; Changed MST from 504 to 1008
Apheresis RED BLOOD CELLS	E4558	Added RetireDate 3/1/2008; Changed MST from 504 to 1008
Apheresis RED BLOOD CELLS	E4559	Added RetireDate 3/1/2008; Changed MST from 504 to 1008
Apheresis RED BLOOD CELLS	E4607	Added RetireDate 3/1/2008; Changed MST from 504 to 1008

Product Type Code	Product Code	Table Changes (MST= Maximum Storage Time PV= Product PV)
Apheresis RED BLOOD CELLS	E4610	Added RetireDate 3/1/2008; Changed MST from 504 to 1008
Apheresis RED BLOOD CELLS	E4613	Added RetireDate 3/1/2008; Changed MST from 504 to 1008
Apheresis RED BLOOD CELLS	E4616	Added RetireDate 3/1/2008; Changed MST from 504 to 1008
Thawed FRESH FROZEN PLASMA	E4619	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E4620	Changed MST from 120 to 960
Thawed FRESH FROZEN PLASMA	E4621	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E4622	Changed MST from 120 to 960
Thawed FRESH FROZEN PLASMA	E4651	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E4652	Changed MST from 120 to 960
Thawed FRESH FROZEN PLASMA	E4653	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E4654	Changed MST from 120 to 960
Apheresis PLATELETS	E4669	Added RetireDate 9/1/2009
Apheresis PLATELETS	E4670	Added RetireDate 9/1/2009
POOLED PLASMA	E4989	Changed MST from 8760 to 120
POOLED PLASMA	E4990	Added "Open" to ProductName and changed MST from 8760 to 120
POOLED PLASMA	E4991	Changed MST from 8760 to 120
POOLED PLASMA	E4992	Changed MST from 8760 to 120
Washed RED BLOOD CELLS	E4999	Changed MST from 336 to 24
Washed RED BLOOD CELLS	E5000	Changed MST from 336 to 24
Apheresis PLATELETS	E5022	Changed MST from 168 to 120
Apheresis PLATELETS	E5023	Changed MST from 168 to 120
Apheresis PLATELETS	E5024	Changed MST from 168 to 120
Apheresis PLATELETS	E5025	Changed MST from 168 to 120
Apheresis PLATELETS	E5026	Changed MST from 168 to 120
Apheresis PLATELETS	E5027	Changed MST from 168 to 120
Apheresis PLATELETS	E5028	Changed MST from 168 to 120
Apheresis PLATELETS	E5029	Changed MST from 168 to 120
Apheresis PLATELETS	E5030	Changed MST from 168 to 120
Apheresis PLATELETS	E5031	Changed MST from 168 to 120
Apheresis PLATELETS	E5032	Changed MST from 168 to 120
Apheresis PLATELETS	E5033	Changed MST from 168 to 120
Apheresis PLATELETS	E5034	Changed MST from 168 to 120
Apheresis PLATELETS	E5035	Changed MST from 168 to 120
Apheresis PLATELETS	E5036	Changed MST from 168 to 120
Apheresis PLATELETS	E5037	Changed MST from 168 to 120
Frozen Rejuvenated Apheresis RED BLOOD CELLS	E5056	Added RetireDate 3/1/2008
Apheresis PLATELETS	E5072	Changed MST from 168 to 120

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes (MST= Maximum Storage Time PV= Product PV)</b>
Apheresis PLATELETS	E5073	Changed MST from 168 to 120
Apheresis PLATELETS	E5074	Changed MST from 168 to 120
Apheresis PLATELETS	E5075	Changed MST from 168 to 120
WHOLE BLOOD	E5076	Changed MST from 504 to 840
WHOLE BLOOD	E5128	Changed MST from 504 to 840
RED BLOOD CELLS	E5129	Changed MST from 504 to 840
RED BLOOD CELLS	E5132	Changed MST from 504 to 840
RED BLOOD CELLS	E5136	Changed MST from 504 to 672
POOLED SERUM	E5144	Changed MST from 24 to 4
RED BLOOD CELLS	E5154	Changed PV from 350 to 200
RED BLOOD CELLS	E5159	Changed PV from 350 to 200
RED BLOOD CELLS	E5164	Changed PV from 350 to 200
CRYOPRECIPITATE	E5165	Changed "@BD" to "@84" in ProductAttributeForm
CRYOPRECIPITATE	E5166	Changed "@BD" to "@84" in ProductAttributeForm
RED BLOOD CELLS	E5167	Changed PV from 350 to 200
Thawed FRESH FROZEN PLASMA	E5196	Changed MST from 120 to 624
Thawed CRYOPRECIPITATE	E5256	Added RetireDate 9/1/2008
Thawed CRYOPRECIPITATE	E5257	Added RetireDate 9/1/2008
RED BLOOD CELLS	E5258	Changed MST from 840 to 1008
RED BLOOD CELLS	E5259	Changed MST from 840 to 1008
Washed RED BLOOD CELLS	E5262	Changed MST from 336 to 24
Washed RED BLOOD CELLS	E5263	Changed MST from 336 to 24
Washed RED BLOOD CELLS	E5264	Changed MST from 336 to 24
Washed RED BLOOD CELLS	E5265	Changed MST from 336 to 24
Thawed FRESH FROZEN PLASMA	E5275	Changed MST from 24 to 4
Thawed FRESH FROZEN PLASMA	E5298	Changed MST from 24 to 4
Thawed FRESH FROZEN PLASMA	E5304	Changed MST from 24 to 4
Thawed FRESH FROZEN PLASMA	E5305	Changed MST from 24 to 4
Thawed FRESH FROZEN PLASMA	E5306	Changed MST from 24 to 4
Thawed FRESH FROZEN PLASMA	E5307	Changed MST from 24 to 4
Thawed FRESH FROZEN PLASMA	E5308	Changed MST from 24 to 4
Thawed FRESH FROZEN PLASMA	E5309	Changed MST from 24 to 4
Thawed FRESH FROZEN PLASMA	E5310	Changed MST from 24 to 4
Washed RED BLOOD CELLS	E5337	Changed MST from 336 to 24
Washed RED BLOOD CELLS	E5338	Changed MST from 336 to 24
PLATELETS	E5344	Changed PV from 15 to 50
PLATELETS	E5345	Changed PV from 15 to 50
PLATELETS	E5346	Changed PV from 15 to 50
PLATELETS	E5347	Changed PV from 15 to 50

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes (MST= Maximum Storage Time PV= Product PV)</b>
WHOLE BLOOD	E5356	Changed MST from 504 to 840
WHOLE BLOOD	E5357	Changed MST from 504 to 672
RED BLOOD CELLS	E5360	Changed MST from 504 to 840
RED BLOOD CELLS	E5361	Changed MST from 504 to 672
RED BLOOD CELLS	E5362	Added "PLS Red/PA" to short name
RED BLOOD CELLS	E5363	Added "PLS Red/PA" to short name
Apheresis PLATELETS	E5370	Changed MST from 168 to 120
Apheresis PLATELETS	E5371	Changed MST from 168 to 120
Apheresis PLATELETS	E5372	Changed MST from 168 to 120
WHOLE BLOOD	E5374	Changed MST from 504 to 672
Thawed FRESH FROZEN PLASMA	E5382	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E5383	Changed MST from 120 to 624
Apheresis PLATELETS	E5397	Changed MST from 168 to 120
Apheresis PLATELETS	E5398	Changed MST from 168 to 120
Apheresis PLATELETS	E5399	Changed MST from 168 to 120
Apheresis PLATELETS	E5400	Changed MST from 168 to 120
Apheresis PLATELETS	E5401	Changed MST from 168 to 120
Apheresis PLATELETS	E5402	Changed MST from 168 to 120
Apheresis PLATELETS	E5403	Changed MST from 168 to 120
Apheresis PLATELETS	E5404	Changed MST from 168 to 120
Apheresis PLATELETS	E5405	Changed MST from 168 to 120
Apheresis PLATELETS	E5406	Changed MST from 168 to 120
Apheresis PLATELETS	E5407	Changed MST from 168 to 120
Apheresis PLATELETS	E5408	Changed MST from 168 to 120
Apheresis PLATELETS	E5409	Changed MST from 168 to 120
Apheresis PLATELETS	E5410	Changed MST from 168 to 120
Apheresis PLATELETS	E5413	Changed MST from 168 to 120
Apheresis PLATELETS	E5414	Changed MST from 168 to 120
Apheresis PLATELETS	E5415	Changed MST from 168 to 120
Apheresis PLATELETS	E5416	Changed MST from 168 to 120
Apheresis PLATELETS	E5417	Changed MST from 168 to 120
Apheresis PLATELETS	E5418	Changed MST from 168 to 120
Apheresis PLATELETS	E5419	Changed MST from 168 to 120
Apheresis PLATELETS	E5420	Changed MST from 168 to 120
Apheresis PLATELETS	E5421	Changed MST from 168 to 120
Apheresis PLATELETS	E5422	Changed MST from 168 to 120
Apheresis PLATELETS	E5423	Changed MST from 168 to 120
Apheresis PLATELETS	E5424	Changed MST from 168 to 120



<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes (MST= Maximum Storage Time PV= Product PV)</b>
Apheresis PLATELETS	E5425	Changed MST from 168 to 120
Apheresis PLATELETS	E5426	Changed MST from 168 to 120
RED BLOOD CELLS	E5441	Changed PV from 150 to 250
RED BLOOD CELLS	E5443	Changed PV from 150 to 250
RED BLOOD CELLS	E5445	Changed PV from 150 to 250
RED BLOOD CELLS	E5447	Changed PV from 150 to 250
Washed RED BLOOD CELLS	E5448	Changed PV from 200 to 100
Washed RED BLOOD CELLS	E5450	Changed PV from 200 to 100
Deglycerolized RED BLOOD CELLS	E5456	Changed PV from 200 to 150
Deglycerolized RED BLOOD CELLS	E5458	Changed PV from 200 to 150
GRANULOCYTES	E5511	Changed PV from 150 to 200
GRANULOCYTES	E5512	Changed PV from 150 to 200
Thawed FRESH FROZEN PLASMA	E5514	Changed MST from 120 to 4
RED BLOOD CELLS	E5517	Changed MST from 840 to 1008
Thawed FRESH FROZEN PLASMA	E5531	Changed MST from 120 to 4
Apheresis PLATELETS	E5532	Changed MST from 168 to 120
Apheresis PLATELETS	E5533	Changed MST from 168 to 120
Apheresis PLATELETS	E5534	Changed MST from 168 to 120
PLATELETS	E5613	Changed PV from 15 to 50
PLATELETS	E5614	Changed PV from 15 to 50
SERUM	E5617	Changed MST from 120 to 24
Washed RED BLOOD CELLS	E5638	Changed MST from 336 to 24
Washed RED BLOOD CELLS	E5639	Changed MST from 336 to 24
RED BLOOD CELLS	E5673	Added "PLS Red/PA" to short name
RED BLOOD CELLS	E5674	Added "PLS Red/PA" to short name
RED BLOOD CELLS	E5675	Added "PLS Red/PA" to short name
RED BLOOD CELLS	E5676	Added "PLS Red/PA" to short name
RED BLOOD CELLS	E5677	Added "PLS Red/PA" to short name
RED BLOOD CELLS	E5678	Added "PLS Red/PA" to short name
Thawed FRESH FROZEN PLASMA	E5731	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	E5734	Changed MST from 120 to 4
Thawed FRESH FROZEN PLASMA	E5735	Changed MST from 120 to 4
Washed RED BLOOD CELLS	E5805	Changed MST from 336 to 24
Washed RED BLOOD CELLS	E5806	Changed MST from 336 to 24
Apheresis PLATELETS	E5822	Changed MST from 168 to 120
FRESH FROZEN PLASMA	E5881	Changed PV from 225 to 500
FRESH FROZEN PLASMA	E5882	Changed PV from 225 to 500
Washed RED BLOOD CELLS	E5904	Changed MST from 336 to 24

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes (MST= Maximum Storage Time PV= Product PV)</b>
Washed RED BLOOD CELLS	E5905	Changed MST from 336 to 24
SERUM	E6023	Changed MST from 120 to 24
Frozen Apheresis PLATELETS	E6025	Added "DMSO" to short name; Changed MST from 8760 to 87600
Thawed FRESH FROZEN PLASMA	E6036	Changed MST from 24 to 4
PLATELETS	E6037	Added "PLS Red/PA" to short name
Thawed FRESH FROZEN PLASMA	E6042	Changed MST from 24 to 4
RED BLOOD CELLS	E6049	Changed MST from 840 to 1008
RED BLOOD CELLS	E6050	Changed MST from 840 to 1008
RED BLOOD CELLS	E6052	Changed MST from 840 to 1008
RED BLOOD CELLS	E6053	Changed MST from 840 to 1008
WHOLE BLOOD	E6077	Changed PV from 500 to 450
Thawed Apheresis FRESH FROZEN PLASMA	E6097	Changed MST from 24 to 4; Changed PV from 450 to 225
RED BLOOD CELLS	E6115	Changed MST from 840 to 1008
Apheresis FRESH FROZEN PLASMA	E6126	Added "NaCit" to short name
Apheresis FRESH FROZEN PLASMA	E6127	Added "NaCit" to short name
FRESH FROZEN PLASMA	E6130	Added "CP2D" to short name
FRESH FROZEN PLASMA	E6131	Added "CPD" to short name
FRESH FROZEN PLASMA	E6132	Added "CPDA-1" to short name
Thawed FRESH FROZEN PLASMA	E6141	Changed MST from 24 to 4
Apheresis RED BLOOD CELLS	E6145	Removed "G9" from ProductAttributeForm

**Table 2: Codabar Blood Product Table Change Details**

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes</b>
WHOLE BLOOD	00950	Changed PV from 250 to 450
WHOLE BLOOD	01450	Changed PV from 250 to 450
WHOLE BLOOD	01480	Changed PV from 450 to 350
WHOLE BLOOD	02450	Changed PV from 250 to 450
WHOLE BLOOD	02461	Changed PV from 450 to 250
Apheresis RED BLOOD CELLS	03321	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	03322	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	03323	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	03324	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	03325	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	03326	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	03327	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	03328	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	03331	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	03332	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	03333	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	03334	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	03335	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	03336	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	03337	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	03338	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	03341	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	03342	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	03343	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	03344	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	03345	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	03346	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	03347	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	03348	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	03351	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	03352	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	03353	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	03354	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	03355	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	03356	Added HA attribute (Part F or 6)

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes</b>
Apheresis RED BLOOD CELLS	03357	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	03358	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	03361	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	03362	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	03363	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	03364	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	03365	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	03366	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	03367	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	03368	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	03371	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	03372	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	03373	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	03374	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	03375	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	03376	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	03377	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	03378	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	03381	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	03382	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	03383	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	03384	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	03385	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	03386	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	03387	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	03388	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	03391	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	03392	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	03393	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	03394	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	03395	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	03396	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	03397	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	03398	Added HC attribute (Part H or 8)
RED BLOOD CELLS	04065	Changed PV from 125 to 250
RED BLOOD CELLS	04255	Changed PV from 125 to 350

Product Type Code	Product Code	Table Changes
RED BLOOD CELLS	04351	Changed PV from 350 to 250
RED BLOOD CELLS	04365	Changed PV from 125 to 250
RED BLOOD CELLS	04750	Changed MST from 840 to 1008
RED BLOOD CELLS	04755	Changed PV from 125 to 350
Washed RED BLOOD CELLS	04901	Changed MST from 336 to 24
Washed Apheresis RED BLOOD CELLS	04941	Changed PV from 150 to 200
Washed Apheresis RED BLOOD CELLS	04961	Changed PV from 150 to 200
RED BLOOD CELLS	05051	Changed PV from 125 to 250
RED BLOOD CELLS	05065	Changed PV from 125 to 250
RED BLOOD CELLS	05211	Changed PV from 250 to 350
RED BLOOD CELLS	05251	Changed PV from 250 to 350
RED BLOOD CELLS	05255	Changed PV from 125 to 350
RED BLOOD CELLS	05351	Changed PV from 350 to 250
RED BLOOD CELLS	05365	Changed PV from 125 to 250
RED BLOOD CELLS	05755	Changed PV from 125 to 350
Washed RED BLOOD CELLS	05901	Changed MST from 336 to 24
Washed Apheresis RED BLOOD CELLS	05941	Changed PV from 150 to 200
Washed Apheresis RED BLOOD CELLS	05961	Changed PV from 150 to 200
Washed Apheresis RED BLOOD CELLS	06041	Changed PV from 150 to 200
Washed Apheresis RED BLOOD CELLS	06061	Changed PV from 150 to 200
Washed Apheresis RED BLOOD CELLS	06141	Changed PV from 150 to 200
Washed Apheresis RED BLOOD CELLS	06161	Changed PV from 150 to 200
Deglycerolized Rejuvenated RED BLOOD CELLS	06501	Changed MST from 336 to 24
Thawed Apheresis FRESH FROZEN PLASMA	17211	Changed ShortName from "FFP AFR Thaw NS" to "FFP AFR Thaw None", Attribute from "@92 H1" to "@AS H1"
FRESH FROZEN PLASMA	17301	Changed MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	17311	Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	17331	Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	17431	Added F3 to Attribute and "LowVol" to short name
FRESH FROZEN PLASMA	17701	Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	17731	Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	18131	Added H3 attribute (Part A or 1)
Thawed FRESH FROZEN PLASMA	18131	Added H3 attribute (Part A or 1)
FRESH FROZEN PLASMA	18132	Added H4 attribute (Part B or 2)
Thawed FRESH FROZEN PLASMA	18132	Added H4 attribute (Part B or 2)
FRESH FROZEN PLASMA	18133	Added H5 attribute (Part C or 3)
Thawed FRESH FROZEN PLASMA	18133	Added H5 attribute (Part C or 3)

Product Type Code	Product Code	Table Changes
FRESH FROZEN PLASMA	18134	Added H6 attribute (Part D or 4)
Thawed FRESH FROZEN PLASMA	18134	Added H6 attribute (Part D or 4)
FRESH FROZEN PLASMA	18135	Added H9 attribute (Part E or 5)
Thawed FRESH FROZEN PLASMA	18135	Added H9 attribute (Part E or 5)
FRESH FROZEN PLASMA	18136	Added HA attribute (Part F or 6)
Thawed FRESH FROZEN PLASMA	18136	Added HA attribute (Part F or 6)
FRESH FROZEN PLASMA	18137	Added HB attribute (Part G or 7)
Thawed FRESH FROZEN PLASMA	18137	Added HB attribute (Part G or 7)
FRESH FROZEN PLASMA	18138	Added HC attribute (Part H or 8)
Thawed FRESH FROZEN PLASMA	18138	Added HC attribute (Part H or 8)
Thawed FRESH FROZEN PLASMA	18161	Changed MST from 24 to 120; Changed Attribute from @37 C2 G7 to @AS C2 G7 and short name to "PLASMA Thaw None IRD"
Apheresis FRESH FROZEN PLASMA	18241	Added H3 attribute (Part A or 1)
Thawed Apheresis FRESH FROZEN PLASMA	18241	Added H3 attribute (Part A or 1); Changed Attribute from @47 D4 to @AS D4 H3 and short name to "FFP AFR Thaw None LUKOPR"
Apheresis FRESH FROZEN PLASMA	18242	Added H4 attribute (Part B or 2)
Thawed Apheresis FRESH FROZEN PLASMA	18242	Added H4 attribute (Part B or 2); Changed Attribute from @47 D4 to @AS D4 H4 and short name to "FFP AFR Thaw None LUKOPR"
Apheresis FRESH FROZEN PLASMA	18243	Added H5 attribute (Part C or 3)
Thawed Apheresis FRESH FROZEN PLASMA	18243	Added H5 attribute (Part C or 3); Changed Attribute from @47 D4 to @AS D4 H5 and short name to "FFP AFR Thaw None LUKOPR"
Apheresis FRESH FROZEN PLASMA	18244	Added H6 attribute (Part D or 4)
Thawed Apheresis FRESH FROZEN PLASMA	18244	Added H6 attribute (Part D or 4); Changed Attribute from @47 D4 to @AS D4 H6 and short name to "FFP AFR Thaw None LUKOPR"
Apheresis FRESH FROZEN PLASMA	18245	Added H9 attribute (Part E or 5)
Thawed Apheresis FRESH FROZEN PLASMA	18245	Added H9 attribute (Part E or 5); Changed Attribute from @47 D4 to @AS D4 H9 and short name to "FFP AFR Thaw None LUKOPR"
Apheresis FRESH FROZEN PLASMA	18246	Added HA attribute (Part F or 6)
Thawed Apheresis FRESH FROZEN PLASMA	18246	Added HA attribute (Part F or 6); Changed Attribute from @47 D4 to @AS D4 HA and short name to "FFP AFR Thaw None LUKOPR"
Apheresis FRESH FROZEN PLASMA	18247	Added HB attribute (Part G or 7)
Thawed Apheresis FRESH FROZEN PLASMA	18247	Added HB attribute (Part G or 7); Changed Attribute from @47 D4 to @AS D4 HB and short name to "FFP AFR Thaw None LUKOPR"
Apheresis FRESH FROZEN PLASMA	18248	Added HC attribute (Part H or 8)
Thawed Apheresis FRESH FROZEN PLASMA	18248	Added HC attribute (Part H or 8); Changed Attribute from @47 D4 to @AS D4 HC and short name to "FFP AFR Thaw None LUKOPR"
Apheresis FRESH FROZEN PLASMA	18260	Changed MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	18261	Added H3 attribute (Part A or 1)
Thawed Apheresis FRESH FROZEN PLASMA	18261	Added H3 attribute (Part A or 1)
Apheresis FRESH FROZEN PLASMA	18262	Added H4 attribute (Part B or 2)

Product Type Code	Product Code	Table Changes
Thawed Apheresis FRESH FROZEN PLASMA	18262	Added H4 attribute (Part B or 2)
Apheresis FRESH FROZEN PLASMA	18263	Added H5 attribute (Part C or 3)
Thawed Apheresis FRESH FROZEN PLASMA	18263	Added H5 attribute (Part C or 3)
Apheresis FRESH FROZEN PLASMA	18264	Added H6 attribute (Part D or 4)
Thawed Apheresis FRESH FROZEN PLASMA	18264	Added H6 attribute (Part D or 4)
Apheresis FRESH FROZEN PLASMA	18265	Added H9 attribute (Part E or 5)
Thawed Apheresis FRESH FROZEN PLASMA	18265	Added H9 attribute (Part E or 5)
Apheresis FRESH FROZEN PLASMA	18266	Added HA attribute (Part F or 6)
Thawed Apheresis FRESH FROZEN PLASMA	18266	Added HA attribute (Part F or 6)
Apheresis FRESH FROZEN PLASMA	18267	Added HB attribute (Part G or 7)
Thawed Apheresis FRESH FROZEN PLASMA	18267	Added HB attribute (Part G or 7)
Apheresis FRESH FROZEN PLASMA	18268	Added HC attribute (Part H or 8)
Thawed Apheresis FRESH FROZEN PLASMA	18268	Added HC attribute (Part H or 8)
Apheresis FRESH FROZEN PLASMA	18271	Added H3 attribute (Part A or 1)
Thawed Apheresis FRESH FROZEN PLASMA	18271	Added H3 attribute (Part A or 1); Changed ShortName from "FFP AFR Thaw ACD-A IRD LUKOPR" to "FFP AFR Thaw None IRD LUKOPR" , Attribute from @47 C2 D4 to @AS C2 D2 H3,
Apheresis FRESH FROZEN PLASMA	18272	Added H4 attribute (Part B or 2)
Thawed Apheresis FRESH FROZEN PLASMA	18272	Added H4 attribute (Part B or 2); Changed ShortName from "FFP AFR Thaw ACD-A IRD LUKOPR" to "FFP AFR Thaw None IRD LUKOPR" and Attribute from @47 C2 D4 to @AS C2 D2 H4
Apheresis FRESH FROZEN PLASMA	18273	Added H5 attribute (Part C or 3)
Thawed Apheresis FRESH FROZEN PLASMA	18273	Added H5 attribute (Part C or 3); Changed ShortName from "FFP AFR Thaw ACD-A IRD LUKOPR" to "FFP AFR Thaw None IRD LUKOPR" , Attribute from @47 C2 D4 to @AS C2 D2 H5,
Apheresis FRESH FROZEN PLASMA	18274	Added H6 attribute (Part D or 4)
Thawed Apheresis FRESH FROZEN PLASMA	18274	Added H6 attribute (Part D or 4); Changed ShortName from "FFP AFR Thaw ACD-A IRD LUKOPR" to "FFP AFR Thaw None IRD LUKOPR", Attribute from @47 C2 D4 to @AS C2 D2 H6,
Apheresis FRESH FROZEN PLASMA	18275	Added H9 attribute (Part E or 5)
Thawed Apheresis FRESH FROZEN PLASMA	18275	Added H9 attribute (Part E or 5); Changed ShortName from "FFP AFR Thaw ACD-A IRD LUKOPR" to "FFP AFR Thaw None IRD LUKOPR", Attribute from @47 C2 D4 to @AS C2 D2 H9,
Apheresis FRESH FROZEN PLASMA	18276	Added HA attribute (Part F or 6)
Thawed Apheresis FRESH FROZEN PLASMA	18276	Added HA attribute (Part F or 6); Changed ShortName from "FFP AFR Thaw ACD-A IRD LUKOPR" to "FFP AFR Thaw None IRD LUKOPR" , Attribute from @47 C2 D4 to @AS C2 D2 HA,
Apheresis FRESH FROZEN PLASMA	18277	Added HB attribute (Part G or 7)
Thawed Apheresis FRESH FROZEN PLASMA	18277	Added HB attribute (Part G or 7); Changed ShortName from "FFP AFR Thaw ACD-A IRD LUKOPR" to "FFP AFR Thaw None IRD LUKOPR", Attribute from @47 C2 D4 to @AS C2 D2 HB,
Apheresis FRESH FROZEN PLASMA	18278	Added HC attribute (Part H or 8)
Thawed Apheresis FRESH FROZEN PLASMA	18278	Added HC attribute (Part H or 8); Changed ShortName from "FFP AFR Thaw ACD-A IRD LUKOPR" to "FFP

Product Type Code	Product Code	Table Changes
		AFR Thaw None IRD LUKOPR", Attribute from @47 C2 D4 to @AS C2 D2 HC,
Apheresis FRESH FROZEN PLASMA	18280	Changed MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	18281	Added H3 attribute (Part A or 1) and MST from 8760 to 61320
Thawed Apheresis FRESH FROZEN PLASMA	18281	Added H3 attribute (Part A or 1); Changed ShortName from "FFP AFR Thaw ACD-A IRD LUKOPR" to "FFP AFR Thaw None IRD LUKOPR", Attribute from @51 C2 D4 to @AS C2 D2 H3,
Apheresis FRESH FROZEN PLASMA	18282	Added H4 attribute (Part B or 2) and MST from 8760 to 61320
Thawed Apheresis FRESH FROZEN PLASMA	18282	Added H4 attribute (Part B or 2); Changed ShortName from "FFP AFR Thaw ACD-A IRD LUKOPR" to "FFP AFR Thaw None IRD LUKOPR", Attribute from @51 C2 D4 to @AS C2 D2 H4,
Apheresis FRESH FROZEN PLASMA	18283	Added H5 attribute (Part C or 3) and MST from 8760 to 61320
Thawed Apheresis FRESH FROZEN PLASMA	18283	Added H5 attribute (Part C or 3); Changed ShortName from "FFP AFR Thaw ACD-A IRD LUKOPR" to "FFP AFR Thaw None IRD LUKOPR", Attribute from @51 C2 D4 to @AS C2 D2 H5,
Apheresis FRESH FROZEN PLASMA	18284	Added H6 attribute (Part D or 4) and MST from 8760 to 61320
Thawed Apheresis FRESH FROZEN PLASMA	18284	Added H6 attribute (Part D or 4); Changed ShortName from "FFP AFR Thaw ACD-A IRD LUKOPR" to "FFP AFR Thaw None IRD LUKOPR", Attribute from @51 C2 D4 to @AS C2 D2 H6,
Apheresis FRESH FROZEN PLASMA	18285	Added H9 attribute (Part E or 5) and MST from 8760 to 61320
Thawed Apheresis FRESH FROZEN PLASMA	18285	Added H9 attribute (Part E or 5); Changed ShortName from "FFP AFR Thaw ACD-A IRD LUKOPR" to "FFP AFR Thaw None IRD LUKOPR", Attribute from @51 C2 D4 to @AS C2 D2 H9,
Apheresis FRESH FROZEN PLASMA	18286	Added HA attribute (Part F or 6) and MST from 8760 to 61320
Thawed Apheresis FRESH FROZEN PLASMA	18286	Added HA attribute (Part F or 6); Changed ShortName from "FFP AFR Thaw ACD-A IRD LUKOPR" to "FFP AFR Thaw None IRD LUKOPR", Attribute from @51 C2 D4 to @AS C2 D2 HA,
Apheresis FRESH FROZEN PLASMA	18287	Added HB attribute (Part G or 7) and MST from 8760 to 61320
Thawed Apheresis FRESH FROZEN PLASMA	18287	Added HB attribute (Part G or 7); Changed ShortName from "FFP AFR Thaw ACD-A IRD LUKOPR" to "FFP AFR Thaw None IRD LUKOPR", Attribute from @51 C2 D4 to @AS C2 D2 HB,
Apheresis FRESH FROZEN PLASMA	18288	Added HC attribute (Part H or 8) and MST from 8760 to 61320
Thawed Apheresis FRESH FROZEN PLASMA	18288	Added HC attribute (Part H or 8); Changed ShortName from "FFP AFR Thaw ACD-A IRD LUKOPR" to "FFP AFR Thaw None IRD LUKOPR", Attribute from @51 C2 D4 to @AS C2 D2 HC,
FRESH FROZEN PLASMA	18289	Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	18301	Changed MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	18311	Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	18331	Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	18431	Added F3 to Attribute and "LowVol" to short name
POOLED PLASMA	18490	Changed MST from 17520 to 8760
Thawed FRESH FROZEN PLASMA	18501	Changed ShortName from "PLASMA Liq None" to "PLASMA Liq NS", Attribute from @AS to @CG, and MST from 120 to 624



Product Type Code	Product Code	Table Changes
Thawed FRESH FROZEN PLASMA	18531	Changed ShortName from "PLASMA Liq None" to "PLASMA Liq NS", Attribute from @AS to @CG, and MST from 120 to 624
Apheresis FRESH FROZEN PLASMA	18611	Changed MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	18621	Changed MST from 8760 to 61320
Thawed Apheresis FRESH FROZEN PLASMA	18621	Changed Attribute from "@AS C2 H2" to "@AS C2 H4"
FRESH FROZEN PLASMA	18701	Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	18731	Changed MST from 8760 to 61320
Thawed FRESH FROZEN PLASMA	18901	Changed ShortName from "PLASMA Liq None IRD" to "PLASMA Liq NS IRD", Attribute from @AS C2 to @CG C2, and MST from 120 to 624
Thawed FRESH FROZEN PLASMA	18931	Changed ShortName from "PLASMA Liq None IRD" to "PLASMA Liq NS IRD", Attribute from @AS C2 to @CG C2, and MST from 120 to 624
POOLED PLASMA	19291	Changed MST from 8760 to 24
Thawed FRESH FROZEN PLASMA	19501	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	19531	Changed MST from 120 to 624
POOLED PLASMA	19591	Changed MST from 8760 to 24
Thawed FRESH FROZEN PLASMA	19901	Changed Attribute from @84 A3 H1 to @AS A3 H1
Washed PLATELETS	22001	Moved B2 attribute to end in ProductAttributeForm and fixed short name for this change
RED BLOOD CELLS	24001	Changed MST from 504 to 24 and PV from 350 to 250
Apheresis RED BLOOD CELLS	24011	Changed MST from 504 to 24
Apheresis RED BLOOD CELLS	24811	Changed MST from 504 to 24
RED BLOOD CELLS	25001	Changed MST from 504 to 24 and PV from 350 to 250
Apheresis RED BLOOD CELLS	25011	Changed MST from 504 to 24
Apheresis RED BLOOD CELLS	25811	Changed MST from 504 to 24
WHOLE BLOOD	26001	Changed MST from 504 to 24
WHOLE BLOOD	27001	Changed MST from 504 to 24
Thawed Apheresis FRESH FROZEN PLASMA	27492	Changed MST from 24 to 4
Thawed Apheresis FRESH FROZEN PLASMA	27493	Changed MST from 24 to 4
Thawed Apheresis FRESH FROZEN PLASMA	27494	Changed MST from 24 to 4
Thawed FRESH FROZEN PLASMA	27502	Changed MST from 120 to 624
Thawed FRESH FROZEN PLASMA	27503	Changed MST from 120 to 624
Thawed Apheresis PLATELETS	27559	Changed MST from 120 to 4
Thawed Apheresis PLATELETS	27560	Changed MST from 120 to 4
Thawed Apheresis PLATELETS	27561	Changed MST from 120 to 4
Thawed Apheresis PLATELETS	27562	Changed MST from 120 to 4
Thawed Apheresis PLATELETS	27563	Changed MST from 120 to 4
Thawed Apheresis PLATELETS	27564	Changed MST from 120 to 4
POOLED PLASMA	27588	Changed MST from 17520 to 8760
PLATELETS	27680	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	27681	Changed MST from 4 to 120 and PV from 15 to 50
PLATELETS	27682	Changed PV from 15 to 50

Product Type Code	Product Code	Table Changes
PLATELETS	27683	Changed PV from 15 to 50
PLATELETS	27685	Changed PV from 15 to 50
PLATELETS	27686	Changed PV from 15 to 50
Apheresis PLATELETS	27711	Changed MST from 168 to 120
Apheresis PLATELETS	27724	Changed MST from 168 to 120
Apheresis PLATELETS	27726	Changed MST from 168 to 120
WHOLE BLOOD	30151	Added H3 attribute (Part A or 1)
WHOLE BLOOD	30152	Added H4 attribute (Part B or 2)
WHOLE BLOOD	30153	Added H5 attribute (Part C or 3)
WHOLE BLOOD	30154	Added H6 attribute (Part D or 4)
WHOLE BLOOD	30155	Added H9 attribute (Part E or 5)
WHOLE BLOOD	30156	Added HA attribute (Part F or 6)
WHOLE BLOOD	30157	Added HB attribute (Part G or 7)
WHOLE BLOOD	30158	Added HC attribute (Part H or 8)
WHOLE BLOOD	30161	Added H3 attribute (Part A or 1)
WHOLE BLOOD	30162	Added H4 attribute (Part B or 2)
WHOLE BLOOD	30163	Added H5 attribute (Part C or 3)
WHOLE BLOOD	30164	Added H6 attribute (Part D or 4)
WHOLE BLOOD	30165	Added H9 attribute (Part E or 5)
WHOLE BLOOD	30166	Added HA attribute (Part F or 6)
WHOLE BLOOD	30167	Added HB attribute (Part G or 7)
WHOLE BLOOD	30168	Added HC attribute (Part H or 8)
WHOLE BLOOD	30181	Added H3 attribute (Part A or 1)
WHOLE BLOOD	30182	Added H4 attribute (Part B or 2)
WHOLE BLOOD	30183	Added H5 attribute (Part C or 3)
WHOLE BLOOD	30184	Added H6 attribute (Part D or 4)
WHOLE BLOOD	30185	Added H9 attribute (Part E or 5)
WHOLE BLOOD	30186	Added HA attribute (Part F or 6)
WHOLE BLOOD	30187	Added HB attribute (Part G or 7)
WHOLE BLOOD	30188	Added HC attribute (Part H or 8)
WHOLE BLOOD	30251	Added H3 attribute (Part A or 1)
WHOLE BLOOD	30252	Added H4 attribute (Part B or 2)
WHOLE BLOOD	30253	Added H5 attribute (Part C or 3)
WHOLE BLOOD	30254	Added H6 attribute (Part D or 4)
WHOLE BLOOD	30255	Added H9 attribute (Part E or 5)
WHOLE BLOOD	30256	Added HA attribute (Part F or 6)
WHOLE BLOOD	30257	Added HB attribute (Part G or 7)
WHOLE BLOOD	30258	Added HC attribute (Part H or 8)
WHOLE BLOOD	30261	Added H3 attribute (Part A or 1)

Product Type Code	Product Code	Table Changes
WHOLE BLOOD	30262	Added H4 attribute (Part B or 2)
WHOLE BLOOD	30263	Added H5 attribute (Part C or 3)
WHOLE BLOOD	30264	Added H6 attribute (Part D or 4)
WHOLE BLOOD	30265	Added H9 attribute (Part E or 5)
WHOLE BLOOD	30266	Added HA attribute (Part F or 6)
WHOLE BLOOD	30267	Added HB attribute (Part G or 7)
WHOLE BLOOD	30268	Added HC attribute (Part H or 8)
WHOLE BLOOD	30281	Added H3 attribute (Part A or 1)
WHOLE BLOOD	30282	Added H4 attribute (Part B or 2)
WHOLE BLOOD	30283	Added H5 attribute (Part C or 3)
WHOLE BLOOD	30284	Added H6 attribute (Part D or 4)
WHOLE BLOOD	30285	Added H9 attribute (Part E or 5)
WHOLE BLOOD	30286	Added HA attribute (Part F or 6)
WHOLE BLOOD	30287	Added HB attribute (Part G or 7)
WHOLE BLOOD	30288	Added HC attribute (Part H or 8)
WHOLE BLOOD	31451	Added H3 attribute (Part A or 1)
WHOLE BLOOD	31452	Added H4 attribute (Part B or 2)
WHOLE BLOOD	31453	Added H5 attribute (Part C or 3)
WHOLE BLOOD	31454	Added H6 attribute (Part D or 4)
WHOLE BLOOD	31455	Added H9 attribute (Part E or 5)
WHOLE BLOOD	31456	Added HA attribute (Part F or 6)
WHOLE BLOOD	31457	Added HB attribute (Part G or 7)
WHOLE BLOOD	31458	Added HC attribute (Part H or 8)
WHOLE BLOOD	31461	Added H3 attribute (Part A or 1)
WHOLE BLOOD	31462	Added H4 attribute (Part B or 2)
WHOLE BLOOD	31463	Added H5 attribute (Part C or 3)
WHOLE BLOOD	31464	Added H6 attribute (Part D or 4)
WHOLE BLOOD	31465	Added H9 attribute (Part E or 5)
WHOLE BLOOD	31466	Added HA attribute (Part F or 6)
WHOLE BLOOD	31467	Added HB attribute (Part G or 7)
WHOLE BLOOD	31468	Added HC attribute (Part H or 8)
WHOLE BLOOD	31481	Added H3 attribute (Part A or 1)
WHOLE BLOOD	31482	Added H4 attribute (Part B or 2)
WHOLE BLOOD	31483	Added H5 attribute (Part C or 3)
WHOLE BLOOD	31484	Added H6 attribute (Part D or 4)
WHOLE BLOOD	31485	Added H9 attribute (Part E or 5)
WHOLE BLOOD	31486	Added HA attribute (Part F or 6)
WHOLE BLOOD	31487	Added HB attribute (Part G or 7)
WHOLE BLOOD	31488	Added HC attribute (Part H or 8)

Product Type Code	Product Code	Table Changes
WHOLE BLOOD	32451	Added H3 attribute (Part A or 1)
WHOLE BLOOD	32452	Added H4 attribute (Part B or 2)
WHOLE BLOOD	32453	Added H5 attribute (Part C or 3)
WHOLE BLOOD	32454	Added H6 attribute (Part D or 4)
WHOLE BLOOD	32455	Added H9 attribute (Part E or 5)
WHOLE BLOOD	32456	Added HA attribute (Part F or 6)
WHOLE BLOOD	32457	Added HB attribute (Part G or 7)
WHOLE BLOOD	32458	Added HC attribute (Part H or 8)
WHOLE BLOOD	32461	Added H3 attribute (Part A or 1)
WHOLE BLOOD	32462	Added H4 attribute (Part B or 2)
WHOLE BLOOD	32463	Added H5 attribute (Part C or 3)
WHOLE BLOOD	32464	Added H6 attribute (Part D or 4)
WHOLE BLOOD	32465	Added H9 attribute (Part E or 5)
WHOLE BLOOD	32466	Added HA attribute (Part F or 6)
WHOLE BLOOD	32467	Added HB attribute (Part G or 7)
WHOLE BLOOD	32468	Added HC attribute (Part H or 8)
WHOLE BLOOD	32481	Added H3 attribute (Part A or 1)
WHOLE BLOOD	32482	Added H4 attribute (Part B or 2)
WHOLE BLOOD	32483	Added H5 attribute (Part C or 3)
WHOLE BLOOD	32484	Added H6 attribute (Part D or 4)
WHOLE BLOOD	32485	Added H9 attribute (Part E or 5)
WHOLE BLOOD	32486	Added HA attribute (Part F or 6)
WHOLE BLOOD	32487	Added HB attribute (Part G or 7)
WHOLE BLOOD	32488	Added HC attribute (Part H or 8)
RED BLOOD CELLS	34051	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	34052	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	34053	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	34054	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	34055	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	34056	Added HA attribute (Part F or 6)
RED BLOOD CELLS	34057	Added HB attribute (Part G or 7)
RED BLOOD CELLS	34058	Added HC attribute (Part H or 8)
RED BLOOD CELLS	34061	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	34062	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	34063	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	34064	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	34065	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	34066	Added HA attribute (Part F or 6)
RED BLOOD CELLS	34067	Added HB attribute (Part G or 7)

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes</b>
RED BLOOD CELLS	34068	Added HC attribute (Part H or 8)
RED BLOOD CELLS	34081	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	34082	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	34083	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	34084	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	34085	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	34086	Added HA attribute (Part F or 6)
RED BLOOD CELLS	34087	Added HB attribute (Part G or 7)
RED BLOOD CELLS	34088	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	34161	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	34162	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	34163	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	34164	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	34165	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	34166	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	34167	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	34168	Added HC attribute (Part H or 8)
RED BLOOD CELLS	34211	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	34212	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	34213	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	34214	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	34215	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	34216	Added HA attribute (Part F or 6)
RED BLOOD CELLS	34217	Added HB attribute (Part G or 7)
RED BLOOD CELLS	34218	Added HC attribute (Part H or 8)
RED BLOOD CELLS	34231	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	34232	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	34233	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	34234	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	34235	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	34236	Added HA attribute (Part F or 6)
RED BLOOD CELLS	34237	Added HB attribute (Part G or 7)
RED BLOOD CELLS	34238	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	34241	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	34242	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	34243	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	34244	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	34245	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	34246	Added HA attribute (Part F or 6)

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes</b>
Apheresis RED BLOOD CELLS	34247	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	34248	Added HC attribute (Part H or 8)
RED BLOOD CELLS	34251	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	34252	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	34253	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	34254	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	34255	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	34256	Added HA attribute (Part F or 6)
RED BLOOD CELLS	34257	Added HB attribute (Part G or 7)
RED BLOOD CELLS	34258	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	34261	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	34262	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	34263	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	34264	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	34265	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	34266	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	34267	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	34268	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	34271	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	34272	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	34273	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	34274	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	34275	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	34276	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	34277	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	34278	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	34281	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	34282	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	34283	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	34284	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	34285	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	34286	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	34287	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	34288	Added HC attribute (Part H or 8)
RED BLOOD CELLS	34351	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	34352	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	34353	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	34354	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	34355	Added H9 attribute (Part E or 5)

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes</b>
RED BLOOD CELLS	34356	Added HA attribute (Part F or 6)
RED BLOOD CELLS	34357	Added HB attribute (Part G or 7)
RED BLOOD CELLS	34358	Added HC attribute (Part H or 8)
RED BLOOD CELLS	34361	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	34362	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	34363	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	34364	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	34365	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	34366	Added HA attribute (Part F or 6)
RED BLOOD CELLS	34367	Added HB attribute (Part G or 7)
RED BLOOD CELLS	34368	Added HC attribute (Part H or 8)
RED BLOOD CELLS	34381	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	34382	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	34383	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	34384	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	34385	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	34386	Added HA attribute (Part F or 6)
RED BLOOD CELLS	34387	Added HB attribute (Part G or 7)
RED BLOOD CELLS	34388	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	34461	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	34462	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	34463	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	34464	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	34465	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	34466	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	34467	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	34468	Added HC attribute (Part H or 8)
RED BLOOD CELLS	34711	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	34712	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	34713	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	34714	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	34715	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	34716	Added HA attribute (Part F or 6)
RED BLOOD CELLS	34717	Added HB attribute (Part G or 7)
RED BLOOD CELLS	34718	Added HC attribute (Part H or 8)
RED BLOOD CELLS	34731	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	34732	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	34733	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	34734	Added H6 attribute (Part D or 4)

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes</b>
RED BLOOD CELLS	34735	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	34736	Added HA attribute (Part F or 6)
RED BLOOD CELLS	34737	Added HB attribute (Part G or 7)
RED BLOOD CELLS	34738	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	34741	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	34742	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	34743	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	34744	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	34745	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	34746	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	34747	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	34748	Added HC attribute (Part H or 8)
RED BLOOD CELLS	34751	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	34752	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	34753	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	34754	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	34755	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	34756	Added HA attribute (Part F or 6)
RED BLOOD CELLS	34757	Added HB attribute (Part G or 7)
RED BLOOD CELLS	34758	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	34761	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	34762	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	34763	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	34764	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	34765	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	34766	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	34767	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	34768	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	34771	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	34772	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	34773	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	34774	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	34775	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	34776	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	34777	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	34778	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	34791	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	34792	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	34793	Added H5 attribute (Part C or 3)



<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes</b>
Apheresis RED BLOOD CELLS	34794	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	34795	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	34796	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	34797	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	34798	Added HC attribute (Part H or 8)
Washed Apheresis RED BLOOD CELLS	34941	Added H3 attribute (Part A or 1)
Washed Apheresis RED BLOOD CELLS	34942	Added H4 attribute (Part B or 2)
Washed Apheresis RED BLOOD CELLS	34943	Added H5 attribute (Part C or 3)
Washed Apheresis RED BLOOD CELLS	34944	Added H6 attribute (Part D or 4)
Washed RED BLOOD CELLS	34951	Added H3 attribute (Part A or 1)
Washed RED BLOOD CELLS	34952	Added H4 attribute (Part B or 2)
Washed RED BLOOD CELLS	34953	Added H5 attribute (Part C or 3)
Washed RED BLOOD CELLS	34954	Added H6 attribute (Part D or 4)
Washed RED BLOOD CELLS	34955	Added H9 attribute (Part E or 5)
Washed RED BLOOD CELLS	34956	Added HA attribute (Part F or 6)
Washed RED BLOOD CELLS	34957	Added HB attribute (Part G or 7)
Washed RED BLOOD CELLS	34958	Added HC attribute (Part H or 8)
Washed Apheresis RED BLOOD CELLS	34961	Added H3 attribute (Part A or 1)
Washed Apheresis RED BLOOD CELLS	34962	Added H4 attribute (Part B or 2)
Washed Apheresis RED BLOOD CELLS	34963	Added H5 attribute (Part C or 3)
Washed Apheresis RED BLOOD CELLS	34964	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	35051	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	35052	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	35053	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	35054	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	35055	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	35056	Added HA attribute (Part F or 6)
RED BLOOD CELLS	35057	Added HB attribute (Part G or 7)
RED BLOOD CELLS	35058	Added HC attribute (Part H or 8)
RED BLOOD CELLS	35061	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	35062	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	35063	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	35064	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	35065	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	35066	Added HA attribute (Part F or 6)
RED BLOOD CELLS	35067	Added HB attribute (Part G or 7)
RED BLOOD CELLS	35068	Added HC attribute (Part H or 8)
RED BLOOD CELLS	35081	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	35082	Added H4 attribute (Part B or 2)

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes</b>
RED BLOOD CELLS	35083	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	35084	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	35085	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	35086	Added HA attribute (Part F or 6)
RED BLOOD CELLS	35087	Added HB attribute (Part G or 7)
RED BLOOD CELLS	35088	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	35161	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	35162	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	35163	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	35164	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	35165	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	35166	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	35167	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	35168	Added HC attribute (Part H or 8)
RED BLOOD CELLS	35211	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	35212	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	35213	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	35214	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	35215	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	35216	Added HA attribute (Part F or 6)
RED BLOOD CELLS	35217	Added HB attribute (Part G or 7)
RED BLOOD CELLS	35218	Added HC attribute (Part H or 8)
RED BLOOD CELLS	35231	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	35232	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	35233	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	35234	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	35235	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	35236	Added HA attribute (Part F or 6)
RED BLOOD CELLS	35237	Added HB attribute (Part G or 7)
RED BLOOD CELLS	35238	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	35241	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	35242	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	35243	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	35244	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	35245	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	35246	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	35247	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	35248	Added HC attribute (Part H or 8)
RED BLOOD CELLS	35251	Added H3 attribute (Part A or 1)

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes</b>
RED BLOOD CELLS	35252	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	35253	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	35254	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	35255	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	35256	Added HA attribute (Part F or 6)
RED BLOOD CELLS	35257	Added HB attribute (Part G or 7)
RED BLOOD CELLS	35258	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	35261	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	35262	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	35263	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	35264	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	35265	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	35266	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	35267	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	35268	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	35271	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	35272	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	35273	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	35274	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	35275	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	35276	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	35277	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	35278	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	35281	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	35282	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	35283	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	35284	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	35285	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	35286	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	35287	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	35288	Added HC attribute (Part H or 8)
RED BLOOD CELLS	35351	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	35352	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	35353	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	35354	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	35355	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	35356	Added HA attribute (Part F or 6)
RED BLOOD CELLS	35357	Added HB attribute (Part G or 7)
RED BLOOD CELLS	35358	Added HC attribute (Part H or 8)

Product Type Code	Product Code	Table Changes
RED BLOOD CELLS	35361	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	35362	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	35363	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	35364	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	35365	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	35366	Added HA attribute (Part F or 6)
RED BLOOD CELLS	35367	Added HB attribute (Part G or 7)
RED BLOOD CELLS	35368	Added HC attribute (Part H or 8)
RED BLOOD CELLS	35381	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	35382	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	35383	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	35384	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	35385	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	35386	Added HA attribute (Part F or 6)
RED BLOOD CELLS	35387	Added HB attribute (Part G or 7)
RED BLOOD CELLS	35388	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	35461	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	35462	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	35463	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	35464	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	35465	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	35466	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	35467	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	35468	Added HC attribute (Part H or 8)
RED BLOOD CELLS	35711	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	35712	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	35713	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	35714	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	35715	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	35716	Added HA attribute (Part F or 6)
RED BLOOD CELLS	35717	Added HB attribute (Part G or 7)
RED BLOOD CELLS	35718	Added HC attribute (Part H or 8)
RED BLOOD CELLS	35731	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	35732	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	35733	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	35734	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	35735	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	35736	Added HA attribute (Part F or 6)
RED BLOOD CELLS	35737	Added HB attribute (Part G or 7)

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes</b>
RED BLOOD CELLS	35738	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	35741	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	35742	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	35743	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	35744	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	35745	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	35746	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	35747	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	35748	Added HC attribute (Part H or 8)
RED BLOOD CELLS	35751	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	35752	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	35753	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	35754	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	35755	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	35756	Added HA attribute (Part F or 6)
RED BLOOD CELLS	35757	Added HB attribute (Part G or 7)
RED BLOOD CELLS	35758	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	35761	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	35762	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	35763	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	35764	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	35765	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	35766	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	35767	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	35768	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	35771	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	35772	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	35773	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	35774	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	35775	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	35776	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	35777	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	35778	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	35781	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	35782	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	35783	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	35784	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	35785	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	35786	Added HA attribute (Part F or 6)

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes</b>
Apheresis RED BLOOD CELLS	35787	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	35788	Added HC attribute (Part H or 8)
Washed Apheresis RED BLOOD CELLS	35941	Added H3 attribute (Part A or 1)
Washed Apheresis RED BLOOD CELLS	35942	Added H4 attribute (Part B or 2)
Washed Apheresis RED BLOOD CELLS	35943	Added H5 attribute (Part C or 3)
Washed Apheresis RED BLOOD CELLS	35944	Added H6 attribute (Part D or 4)
Washed RED BLOOD CELLS	35951	Added H3 attribute (Part A or 1)
Washed RED BLOOD CELLS	35952	Added H4 attribute (Part B or 2)
Washed RED BLOOD CELLS	35953	Added H5 attribute (Part C or 3)
Washed RED BLOOD CELLS	35954	Added H6 attribute (Part D or 4)
Washed RED BLOOD CELLS	35955	Added H9 attribute (Part E or 5)
Washed RED BLOOD CELLS	35956	Added HA attribute (Part F or 6)
Washed RED BLOOD CELLS	35957	Added HB attribute (Part G or 7)
Washed RED BLOOD CELLS	35958	Added HC attribute (Part H or 8)
Washed Apheresis RED BLOOD CELLS	35961	Added H3 attribute (Part A or 1)
Washed Apheresis RED BLOOD CELLS	35962	Added H4 attribute (Part B or 2)
Washed Apheresis RED BLOOD CELLS	35963	Added H5 attribute (Part C or 3)
Washed Apheresis RED BLOOD CELLS	35964	Added H6 attribute (Part D or 4)
Washed RED BLOOD CELLS	36001	Added H3 attribute (Part A or 1)
Washed RED BLOOD CELLS	36002	Added H4 attribute (Part B or 2)
Washed RED BLOOD CELLS	36003	Added H5 attribute (Part C or 3)
Washed RED BLOOD CELLS	36004	Added H6 attribute (Part D or 4)
Washed Apheresis RED BLOOD CELLS	36011	Added H3 attribute (Part A or 1)
Washed Apheresis RED BLOOD CELLS	36012	Added H4 attribute (Part B or 2)
Washed Apheresis RED BLOOD CELLS	36013	Added H5 attribute (Part C or 3)
Washed Apheresis RED BLOOD CELLS	36014	Added H6 attribute (Part D or 4)
Washed Apheresis RED BLOOD CELLS	36021	Added H3 attribute (Part A or 1)
Washed Apheresis RED BLOOD CELLS	36022	Added H4 attribute (Part B or 2)
Washed Apheresis RED BLOOD CELLS	36023	Added H5 attribute (Part C or 3)
Washed Apheresis RED BLOOD CELLS	36024	Added H6 attribute (Part D or 4)
Washed RED BLOOD CELLS	36051	Added H3 attribute (Part A or 1)
Washed RED BLOOD CELLS	36052	Added H4 attribute (Part B or 2)
Washed RED BLOOD CELLS	36053	Added H5 attribute (Part C or 3)
Washed RED BLOOD CELLS	36054	Added H6 attribute (Part D or 4)
Washed Apheresis RED BLOOD CELLS	36061	Added H3 attribute (Part A or 1)
Washed Apheresis RED BLOOD CELLS	36062	Added H4 attribute (Part B or 2)
Washed Apheresis RED BLOOD CELLS	36063	Added H5 attribute (Part C or 3)

Product Type Code	Product Code	Table Changes
Washed Apheresis RED BLOOD CELLS	36064	Added H6 attribute (Part D or 4)
Washed Apheresis RED BLOOD CELLS	36071	Added H3 attribute (Part A or 1)
Washed Apheresis RED BLOOD CELLS	36072	Added H4 attribute (Part B or 2)
Washed Apheresis RED BLOOD CELLS	36073	Added H5 attribute (Part C or 3)
Washed Apheresis RED BLOOD CELLS	36074	Added H6 attribute (Part D or 4)
Frozen RED BLOOD CELLS	36201	Added H3 attribute (Part A or 1)
Frozen RED BLOOD CELLS	36202	Added H4 attribute (Part B or 2)
Frozen RED BLOOD CELLS	36203	Added H5 attribute (Part C or 3)
Frozen RED BLOOD CELLS	36204	Added H6 attribute (Part D or 4)
Frozen RED BLOOD CELLS	36205	Added H9 attribute (Part E or 5)
Frozen RED BLOOD CELLS	36206	Added HA attribute (Part F or 6)
Frozen RED BLOOD CELLS	36207	Added HB attribute (Part G or 7)
Frozen RED BLOOD CELLS	36208	Added HC attribute (Part H or 8)
Frozen Apheresis RED BLOOD CELLS	36211	Added H3 attribute (Part A or 1)
Frozen Apheresis RED BLOOD CELLS	36212	Added H4 attribute (Part B or 2)
Frozen Apheresis RED BLOOD CELLS	36213	Added H5 attribute (Part C or 3)
Frozen Apheresis RED BLOOD CELLS	36214	Added H6 attribute (Part D or 4)
Frozen Apheresis RED BLOOD CELLS	36215	Added H9 attribute (Part E or 5)
Frozen Apheresis RED BLOOD CELLS	36216	Added HA attribute (Part F or 6)
Frozen Apheresis RED BLOOD CELLS	36217	Added HB attribute (Part G or 7)
Frozen Apheresis RED BLOOD CELLS	36218	Added HC attribute (Part H or 8)
Frozen Apheresis RED BLOOD CELLS	36251	Added H3 attribute (Part A or 1)
Frozen Apheresis RED BLOOD CELLS	36252	Added H4 attribute (Part B or 2)
Frozen Apheresis RED BLOOD CELLS	36253	Added H5 attribute (Part C or 3)
Frozen Apheresis RED BLOOD CELLS	36254	Added H6 attribute (Part D or 4)
Frozen Apheresis RED BLOOD CELLS	36255	Added H9 attribute (Part E or 5)
Frozen Apheresis RED BLOOD CELLS	36256	Added HA attribute (Part F or 6)
Frozen Apheresis RED BLOOD CELLS	36257	Added HB attribute (Part G or 7)
Frozen Apheresis RED BLOOD CELLS	36258	Added HC attribute (Part H or 8)
Frozen Rejuvenated RED BLOOD CELLS	36301	Added H3 attribute (Part A or 1)
Frozen Rejuvenated RED BLOOD CELLS	36302	Added H4 attribute (Part B or 2)
Frozen Rejuvenated RED BLOOD CELLS	36303	Added H5 attribute (Part C or 3)
Frozen Rejuvenated RED BLOOD CELLS	36304	Added H6 attribute (Part D or 4)
Frozen Rejuvenated RED BLOOD CELLS	36305	Added H9 attribute (Part E or 5)
Frozen Rejuvenated RED BLOOD CELLS	36306	Added HA attribute (Part F or 6)
Frozen Rejuvenated RED BLOOD CELLS	36307	Added HB attribute (Part G or 7)

Product Type Code	Product Code	Table Changes
Frozen Rejuvenated RED BLOOD CELLS	36308	Added HC attribute (Part H or 8)
Deglycerolized RED BLOOD CELLS	36401	Added H3 attribute (Part A or 1); Changed ShortName from "RBC Deg Gly40%" to "RBC Deg None" and Attribute from @B2 to @AS H3
Deglycerolized RED BLOOD CELLS	36402	Added H4 attribute (Part B or 2); Changed ShortName from "RBC Deg Gly40%" to "RBC Deg None" and Attribute from @B2 to @AS H4
Deglycerolized RED BLOOD CELLS	36403	Added H5 attribute (Part C or 3); Changed ShortName from "RBC Deg Gly40%" to "RBC Deg None" and Attribute from @B2 to @AS H5
Deglycerolized RED BLOOD CELLS	36404	Added H6 attribute (Part D or 4); Changed ShortName from "RBC Deg Gly40%" to "RBC Deg None" and Attribute from @B2 to @AS H6
Deglycerolized RED BLOOD CELLS	36405	Added H9 attribute (Part E or 5); Changed ShortName from "RBC Deg Gly40%" to "RBC Deg None" and Attribute from @B2 to @AS H9
Deglycerolized RED BLOOD CELLS	36406	Added HA attribute (Part F or 6); Changed ShortName from "RBC Deg Gly40%" to "RBC Deg None" and Attribute from @B2 to @AS HA
Deglycerolized RED BLOOD CELLS	36407	Added HB attribute (Part G or 7); Changed ShortName from "RBC Deg Gly40%" to "RBC Deg None" and Attribute from @B2 to @AS HB
Deglycerolized RED BLOOD CELLS	36408	Added HC attribute (Part H or 8); Changed ShortName from "RBC Deg Gly40%" to "RBC Deg None" and Attribute from @B2 to @AS HC
Deglycerolized Apheresis RED BLOOD CELLS	36411	Added H3 attribute (Part A or 1)
Deglycerolized Apheresis RED BLOOD CELLS	36412	Added H4 attribute (Part B or 2)
Deglycerolized Apheresis RED BLOOD CELLS	36413	Added H5 attribute (Part C or 3)
Deglycerolized Apheresis RED BLOOD CELLS	36414	Added H6 attribute (Part D or 4)
Deglycerolized Apheresis RED BLOOD CELLS	36415	Added H9 attribute (Part E or 5)
Deglycerolized Apheresis RED BLOOD CELLS	36416	Added HA attribute (Part F or 6)
Deglycerolized Apheresis RED BLOOD CELLS	36417	Added HB attribute (Part G or 7)
Deglycerolized Apheresis RED BLOOD CELLS	36418	Added HC attribute (Part H or 8)
Deglycerolized Apheresis RED BLOOD CELLS	36451	Added H3 attribute (Part A or 1)
Deglycerolized Apheresis RED BLOOD CELLS	36452	Added H4 attribute (Part B or 2)
Deglycerolized Apheresis RED BLOOD CELLS	36453	Added H5 attribute (Part C or 3)
Deglycerolized Apheresis RED BLOOD CELLS	36454	Added H6 attribute (Part D or 4)
Deglycerolized Apheresis RED BLOOD CELLS	36455	Added H9 attribute (Part E or 5)
Deglycerolized Apheresis RED BLOOD CELLS	36456	Added HA attribute (Part F or 6)
Deglycerolized Apheresis RED BLOOD CELLS	36457	Added HB attribute (Part G or 7)
Deglycerolized Apheresis RED BLOOD CELLS	36458	Added HC attribute (Part H or 8)
Deglycerolized Rejuvenated RED BLOOD CELLS	36501	Added H3 attribute (Part A or 1)
Deglycerolized Rejuvenated RED BLOOD CELLS	36502	Added H4 attribute (Part B or 2)
Deglycerolized Rejuvenated RED BLOOD CELLS	36503	Added H5 attribute (Part C or 3)
Deglycerolized Rejuvenated RED BLOOD CELLS	36504	Added H6 attribute (Part D or 4)
Deglycerolized Rejuvenated RED BLOOD CELLS	36505	Added H9 attribute (Part E or 5)
Deglycerolized Rejuvenated RED BLOOD CELLS	36506	Added HA attribute (Part F or 6)



Product Type Code	Product Code	Table Changes
Deglycerolized Rejuvenated RED BLOOD CELLS	36507	Added HB attribute (Part G or 7)
Deglycerolized Rejuvenated RED BLOOD CELLS	36508	Added HC attribute (Part H or 8)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	36511	Added H3 attribute (Part A or 1)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	36512	Added H4 attribute (Part B or 2)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	36513	Added H5 attribute (Part C or 3)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	36514	Added H6 attribute (Part D or 4)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	36521	Added H3 attribute (Part A or 1)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	36522	Added H4 attribute (Part B or 2)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	36523	Added H5 attribute (Part C or 3)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	36524	Added H6 attribute (Part D or 4)
Frozen RED BLOOD CELLS	36701	Added H3 attribute (Part A or 1)
Frozen RED BLOOD CELLS	36702	Added H4 attribute (Part B or 2)
Frozen RED BLOOD CELLS	36703	Added H5 attribute (Part C or 3)
Frozen RED BLOOD CELLS	36704	Added H6 attribute (Part D or 4)
Frozen RED BLOOD CELLS	36705	Added H9 attribute (Part E or 5)
Frozen RED BLOOD CELLS	36706	Added HA attribute (Part F or 6)
Frozen RED BLOOD CELLS	36707	Added HB attribute (Part G or 7)
Frozen RED BLOOD CELLS	36708	Added HC attribute (Part H or 8)
Frozen Apheresis RED BLOOD CELLS	36711	Added H3 attribute (Part A or 1)
Frozen Apheresis RED BLOOD CELLS	36712	Added H4 attribute (Part B or 2)
Frozen Apheresis RED BLOOD CELLS	36713	Added H5 attribute (Part C or 3)
Frozen Apheresis RED BLOOD CELLS	36714	Added H6 attribute (Part D or 4)
Frozen Apheresis RED BLOOD CELLS	36715	Added H9 attribute (Part E or 5)
Frozen Apheresis RED BLOOD CELLS	36716	Added HA attribute (Part F or 6)
Frozen Apheresis RED BLOOD CELLS	36717	Added HB attribute (Part G or 7)
Frozen Apheresis RED BLOOD CELLS	36718	Added HC attribute (Part H or 8)
Frozen Apheresis RED BLOOD CELLS	36761	Added H3 attribute (Part A or 1)
Frozen Apheresis RED BLOOD CELLS	36762	Added H4 attribute (Part B or 2)
Frozen Apheresis RED BLOOD CELLS	36763	Added H5 attribute (Part C or 3)
Frozen Apheresis RED BLOOD CELLS	36764	Added H6 attribute (Part D or 4)
Frozen Apheresis RED BLOOD CELLS	36765	Added H9 attribute (Part E or 5)
Frozen Apheresis RED BLOOD CELLS	36766	Added HA attribute (Part F or 6)
Frozen Apheresis RED BLOOD CELLS	36767	Added HB attribute (Part G or 7)
Frozen Apheresis RED BLOOD CELLS	36768	Added HC attribute (Part H or 8)
Deglycerolized RED BLOOD CELLS	36801	Added H3 attribute (Part A or 1); Changed ShortName from "RBC Deg Gly40% LUKOPR" to "RBC Deg None"

Product Type Code	Product Code	Table Changes
		LUKOPR" and Attribute from @B2 to @AS H3
Deglycerolized RED BLOOD CELLS	36802	Added H4 attribute (Part B or 2); Changed ShortName from "RBC Deg Gly40% LUKOPR" to "RBC Deg None LUKOPR" and Attribute from @B2 to @AS H4
Deglycerolized RED BLOOD CELLS	36803	Added H5 attribute (Part C or 3); Changed ShortName from "RBC Deg Gly40% LUKOPR" to "RBC Deg None LUKOPR" and Attribute from @B2 to @AS H5
Deglycerolized RED BLOOD CELLS	36804	Added H6 attribute (Part D or 4); Changed ShortName from "RBC Deg Gly40% LUKOPR" to "RBC Deg None LUKOPR" and Attribute from @B2 to @AS H6
Deglycerolized RED BLOOD CELLS	36805	Added H9 attribute (Part E or 5); Changed ShortName from "RBC Deg Gly40% LUKOPR" to "RBC Deg None LUKOPR" and Attribute from @B2 to @AS H9
Deglycerolized RED BLOOD CELLS	36806	Added HA attribute (Part F or 6); Changed ShortName from "RBC Deg Gly40% LUKOPR" to "RBC Deg None LUKOPR" and Attribute from @B2 to @AS HA
Deglycerolized RED BLOOD CELLS	36807	Added HB attribute (Part G or 7); Changed ShortName from "RBC Deg Gly40% LUKOPR" to "RBC Deg None LUKOPR" and Attribute from @B2 to @AS HB
Deglycerolized RED BLOOD CELLS	36808	Added HC attribute (Part H or 8); Changed ShortName from "RBC Deg Gly40% LUKOPR" to "RBC Deg None LUKOPR" and Attribute from @B2 to @AS HC
Deglycerolized Apheresis RED BLOOD CELLS	36811	Added H3 attribute (Part A or 1)
Deglycerolized Apheresis RED BLOOD CELLS	36812	Added H4 attribute (Part B or 2)
Deglycerolized Apheresis RED BLOOD CELLS	36813	Added H5 attribute (Part C or 3)
Deglycerolized Apheresis RED BLOOD CELLS	36814	Added H6 attribute (Part D or 4)
Deglycerolized Apheresis RED BLOOD CELLS	36815	Added H9 attribute (Part E or 5)
Deglycerolized Apheresis RED BLOOD CELLS	36816	Added HA attribute (Part F or 6)
Deglycerolized Apheresis RED BLOOD CELLS	36817	Added HB attribute (Part G or 7)
Deglycerolized Apheresis RED BLOOD CELLS	36818	Added HC attribute (Part H or 8)
Deglycerolized Rejuvenated RED BLOOD CELLS	36821	Added H3 attribute (Part A or 1)
Deglycerolized Rejuvenated RED BLOOD CELLS	36822	Added H4 attribute (Part B or 2)
Deglycerolized Rejuvenated RED BLOOD CELLS	36823	Added H5 attribute (Part C or 3)
Deglycerolized Rejuvenated RED BLOOD CELLS	36824	Added H6 attribute (Part D or 4)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	36831	Added H3 attribute (Part A or 1)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	36832	Added H4 attribute (Part B or 2)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	36833	Added H5 attribute (Part C or 3)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	36834	Added H6 attribute (Part D or 4)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	36841	Added H3 attribute (Part A or 1)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	36842	Added H4 attribute (Part B or 2)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	36843	Added H5 attribute (Part C or 3)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	36844	Added H6 attribute (Part D or 4)
Deglycerolized Apheresis RED BLOOD CELLS	36861	Added H3 attribute (Part A or 1)
Deglycerolized Apheresis RED BLOOD CELLS	36862	Added H4 attribute (Part B or 2)

Product Type Code	Product Code	Table Changes
Deglycerolized Apheresis RED BLOOD CELLS	36863	Added H5 attribute (Part C or 3)
Deglycerolized Apheresis RED BLOOD CELLS	36864	Added H6 attribute (Part D or 4)
Deglycerolized Apheresis RED BLOOD CELLS	36865	Added H9 attribute (Part E or 5)
Deglycerolized Apheresis RED BLOOD CELLS	36866	Added HA attribute (Part F or 6)
Deglycerolized Apheresis RED BLOOD CELLS	36867	Added HB attribute (Part G or 7)
Deglycerolized Apheresis RED BLOOD CELLS	36868	Added HC attribute (Part H or 8)
Frozen RED BLOOD CELLS	37201	Added H3 attribute (Part A or 1)
Frozen RED BLOOD CELLS	37202	Added H4 attribute (Part B or 2)
Frozen RED BLOOD CELLS	37203	Added H5 attribute (Part C or 3)
Frozen RED BLOOD CELLS	37204	Added H6 attribute (Part D or 4)
Frozen RED BLOOD CELLS	37205	Added H9 attribute (Part E or 5)
Frozen RED BLOOD CELLS	37206	Added HA attribute (Part F or 6)
Frozen RED BLOOD CELLS	37207	Added HB attribute (Part G or 7)
Frozen RED BLOOD CELLS	37208	Added HC attribute (Part H or 8)
Frozen Rejuvenated RED BLOOD CELLS	37301	Added H3 attribute (Part A or 1)
Frozen Rejuvenated RED BLOOD CELLS	37302	Added H4 attribute (Part B or 2)
Frozen Rejuvenated RED BLOOD CELLS	37303	Added H5 attribute (Part C or 3)
Frozen Rejuvenated RED BLOOD CELLS	37304	Added H6 attribute (Part D or 4)
Frozen Rejuvenated RED BLOOD CELLS	37305	Added H9 attribute (Part E or 5)
Frozen Rejuvenated RED BLOOD CELLS	37306	Added HA attribute (Part F or 6)
Frozen Rejuvenated RED BLOOD CELLS	37307	Added HB attribute (Part G or 7)
Frozen Rejuvenated RED BLOOD CELLS	37308	Added HC attribute (Part H or 8)
Deglycerolized RED BLOOD CELLS	37401	Added H3 attribute (Part A or 1); Changed ShortName from "RBC Deg Gly40% IRD" to "RBC Deg None IRD" and Attribute from @B2 to @AS H3
Deglycerolized RED BLOOD CELLS	37402	Added H4 attribute (Part B or 2); Changed ShortName from "RBC Deg Gly40% IRD" to "RBC Deg None IRD" and Attribute from @B2 to @AS H4
Deglycerolized RED BLOOD CELLS	37403	Added H5 attribute (Part C or 3); Changed ShortName from "RBC Deg Gly40% IRD" to "RBC Deg None IRD" and Attribute from @B2 to @AS H5
Deglycerolized RED BLOOD CELLS	37404	Added H6 attribute (Part D or 4); Changed ShortName from "RBC Deg Gly40% IRD" to "RBC Deg None IRD" and Attribute from @B2 to @AS H6
Deglycerolized RED BLOOD CELLS	37405	Added H9 attribute (Part E or 5); Changed ShortName from "RBC Deg Gly40% IRD" to "RBC Deg None IRD" and Attribute from @B2 to @AS H9
Deglycerolized RED BLOOD CELLS	37406	Added HA attribute (Part F or 6); Changed ShortName from "RBC Deg Gly40% IRD" to "RBC Deg None IRD" and Attribute from @B2 to @AS HA
Deglycerolized RED BLOOD CELLS	37407	Added HB attribute (Part G or 7); Changed ShortName from "RBC Deg Gly40% IRD" to "RBC Deg None IRD" and Attribute from @B2 to @AS HB
Deglycerolized RED BLOOD CELLS	37408	Added HC attribute (Part H or 8); Changed ShortName from "RBC Deg Gly40% IRD" to "RBC Deg None IRD" and Attribute from @B2 C2 to @AS C2 HC
Deglycerolized Apheresis RED BLOOD CELLS	37411	Added H3 attribute (Part A or 1)

Product Type Code	Product Code	Table Changes
Deglycerolized Apheresis RED BLOOD CELLS	37412	Added H4 attribute (Part B or 2)
Deglycerolized Apheresis RED BLOOD CELLS	37413	Added H5 attribute (Part C or 3)
Deglycerolized Apheresis RED BLOOD CELLS	37414	Added H6 attribute (Part D or 4)
Deglycerolized Apheresis RED BLOOD CELLS	37415	Added H9 attribute (Part E or 5)
Deglycerolized Apheresis RED BLOOD CELLS	37416	Added HA attribute (Part F or 6)
Deglycerolized Apheresis RED BLOOD CELLS	37417	Added HB attribute (Part G or 7)
Deglycerolized Apheresis RED BLOOD CELLS	37418	Added HC attribute (Part H or 8)
Deglycerolized Apheresis RED BLOOD CELLS	37451	Added H3 attribute (Part A or 1)
Deglycerolized Apheresis RED BLOOD CELLS	37452	Added H4 attribute (Part B or 2)
Deglycerolized Apheresis RED BLOOD CELLS	37453	Added H5 attribute (Part C or 3)
Deglycerolized Apheresis RED BLOOD CELLS	37454	Added H6 attribute (Part D or 4)
Deglycerolized Apheresis RED BLOOD CELLS	37455	Added H9 attribute (Part E or 5)
Deglycerolized Apheresis RED BLOOD CELLS	37456	Added HA attribute (Part F or 6)
Deglycerolized Apheresis RED BLOOD CELLS	37457	Added HB attribute (Part G or 7)
Deglycerolized Apheresis RED BLOOD CELLS	37458	Added HC attribute (Part H or 8)
Deglycerolized Rejuvenated RED BLOOD CELLS	37501	Added H3 attribute (Part A or 1)
Deglycerolized Rejuvenated RED BLOOD CELLS	37502	Added H4 attribute (Part B or 2)
Deglycerolized Rejuvenated RED BLOOD CELLS	37503	Added H5 attribute (Part C or 3)
Deglycerolized Rejuvenated RED BLOOD CELLS	37504	Added H6 attribute (Part D or 4)
Deglycerolized Rejuvenated RED BLOOD CELLS	37505	Added H9 attribute (Part E or 5)
Deglycerolized Rejuvenated RED BLOOD CELLS	37506	Added HA attribute (Part F or 6)
Deglycerolized Rejuvenated RED BLOOD CELLS	37507	Added HB attribute (Part G or 7)
Deglycerolized Rejuvenated RED BLOOD CELLS	37508	Added HC attribute (Part H or 8)
Frozen RED BLOOD CELLS	37701	Added H3 attribute (Part A or 1)
Frozen RED BLOOD CELLS	37702	Added H4 attribute (Part B or 2)
Frozen RED BLOOD CELLS	37703	Added H5 attribute (Part C or 3)
Frozen RED BLOOD CELLS	37704	Added H6 attribute (Part D or 4)
Frozen RED BLOOD CELLS	37705	Added H9 attribute (Part E or 5)
Frozen RED BLOOD CELLS	37706	Added HA attribute (Part F or 6)
Frozen RED BLOOD CELLS	37707	Added HB attribute (Part G or 7)
Frozen RED BLOOD CELLS	37708	Added HC attribute (Part H or 8)
Deglycerolized RED BLOOD CELLS	37801	Added H3 attribute (Part A or 1); Changed ShortName from "RBC Deg Gly40% IRD LUKOPR" to "RBC Deg None IRD LUKOPR" and Attribute from @B2 C2 to @AS C2 H3
Deglycerolized RED BLOOD CELLS	37802	Added H4 attribute (Part B or 2); Changed ShortName from "RBC Deg Gly40% IRD LUKOPR" to "RBC Deg None IRD LUKOPR" and Attribute from @B2 C2 D4 to @AS C2 D4 H4
Deglycerolized RED BLOOD CELLS	37803	Added H5 attribute (Part C or 3); Changed ShortName from "RBC Deg Gly40% IRD LUKOPR" to "RBC Deg

Product Type Code	Product Code	Table Changes
		None IRD LUKOPR" and Attribute from @B2 C2 D4 to @AS C2 D4 H5
Deglycerolized RED BLOOD CELLS	37804	Added H6 attribute (Part D or 4); Changed ShortName from "RBC Deg Gly40% IRD LUKOPR" to "RBC Deg None IRD LUKOPR" and Attribute from @B2 C2 D4 to @AS C2 D4 H6
Deglycerolized RED BLOOD CELLS	37805	Added H9 attribute (Part E or 5); Changed ShortName from "RBC Deg Gly40% IRD LUKOPR" to "RBC Deg None IRD LUKOPR" and Attribute from @B2 C2 D4 to @AS C2 D4 H9
Deglycerolized RED BLOOD CELLS	37806	Added HA attribute (Part F or 6); Changed ShortName from "RBC Deg Gly40% IRD LUKOPR" to "RBC Deg None IRD LUKOPR" and Attribute from @B2 C2 D4 to @AS C2 D4 HA
Deglycerolized RED BLOOD CELLS	37807	Added HB attribute (Part G or 7); Changed ShortName from "RBC Deg Gly40% IRD LUKOPR" to "RBC Deg None IRD LUKOPR" and Attribute from @B2 C2 D4 to @AS C2 D4 HB
Deglycerolized RED BLOOD CELLS	37808	Added HC attribute (Part H or 8); Changed ShortName from "RBC Deg Gly40% IRD LUKOPR" to "RBC Deg None IRD LUKOPR" and Attribute from @B2 C2 D4 to @AS C2 D4 HC
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	37811	Added H3 attribute (Part A or 1)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	37812	Added H4 attribute (Part B or 2)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	37813	Added H5 attribute (Part C or 3)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	37814	Added H6 attribute (Part D or 4)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	37821	Added H3 attribute (Part A or 1)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	37822	Added H4 attribute (Part B or 2)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	37823	Added H5 attribute (Part C or 3)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	37824	Added H6 attribute (Part D or 4)
Deglycerolized Apheresis RED BLOOD CELLS	37841	Added H3 attribute (Part A or 1)
Deglycerolized Apheresis RED BLOOD CELLS	37842	Added H4 attribute (Part B or 2)
Deglycerolized Apheresis RED BLOOD CELLS	37843	Added H5 attribute (Part C or 3)
Deglycerolized Apheresis RED BLOOD CELLS	37844	Added H6 attribute (Part D or 4)
Deglycerolized Apheresis RED BLOOD CELLS	37845	Added H9 attribute (Part E or 5)
Deglycerolized Apheresis RED BLOOD CELLS	37846	Added HA attribute (Part F or 6)
Deglycerolized Apheresis RED BLOOD CELLS	37847	Added HB attribute (Part G or 7)
Deglycerolized Apheresis RED BLOOD CELLS	37848	Added HC attribute (Part H or 8)
Deglycerolized Apheresis RED BLOOD CELLS	37851	Added H3 attribute (Part A or 1)
Deglycerolized Apheresis RED BLOOD CELLS	37852	Added H4 attribute (Part B or 2)
Deglycerolized Apheresis RED BLOOD CELLS	37853	Added H5 attribute (Part C or 3)
Deglycerolized Apheresis RED BLOOD CELLS	37854	Added H6 attribute (Part D or 4)
Deglycerolized Apheresis RED BLOOD CELLS	37855	Added H9 attribute (Part E or 5)
Deglycerolized Apheresis RED BLOOD CELLS	37856	Added HA attribute (Part F or 6)
Deglycerolized Apheresis RED BLOOD CELLS	37857	Added HB attribute (Part G or 7)
Deglycerolized Apheresis RED BLOOD CELLS	37858	Added HC attribute (Part H or 8)

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes</b>
Deglycerolized Rejuvenated RED BLOOD CELLS	37881	Added H3 attribute (Part A or 1)
Deglycerolized Rejuvenated RED BLOOD CELLS	37882	Added H4 attribute (Part B or 2)
Deglycerolized Rejuvenated RED BLOOD CELLS	37883	Added H5 attribute (Part C or 3)
Deglycerolized Rejuvenated RED BLOOD CELLS	37884	Added H6 attribute (Part D or 4)
Deglycerolized Rejuvenated RED BLOOD CELLS	37885	Added H9 attribute (Part E or 5)
Deglycerolized Rejuvenated RED BLOOD CELLS	37886	Added HA attribute (Part F or 6)
Deglycerolized Rejuvenated RED BLOOD CELLS	37887	Added HB attribute (Part G or 7)
Deglycerolized Rejuvenated RED BLOOD CELLS	37888	Added HC attribute (Part H or 8)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	37961	Added H3 attribute (Part A or 1)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	37962	Added H4 attribute (Part B or 2)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	37963	Added H5 attribute (Part C or 3)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	37964	Added H6 attribute (Part D or 4)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	37971	Added H3 attribute (Part A or 1)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	37972	Added H4 attribute (Part B or 2)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	37973	Added H5 attribute (Part C or 3)
Deglycerolized Rejuvenated Apheresis RED BLOOD CELLS	37974	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	38161	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	38162	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	38163	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	38164	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	38165	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	38166	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	38167	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	38168	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	38361	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	38362	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	38363	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	38364	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	38365	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	38366	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	38367	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	38368	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	38461	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	38462	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	38463	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	38464	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	38465	Added H9 attribute (Part E or 5)

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes</b>
Apheresis RED BLOOD CELLS	38466	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	38467	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	38468	Added HC attribute (Part H or 8)
Apheresis RED BLOOD CELLS	38561	Added H3 attribute (Part A or 1)
Apheresis RED BLOOD CELLS	38562	Added H4 attribute (Part B or 2)
Apheresis RED BLOOD CELLS	38563	Added H5 attribute (Part C or 3)
Apheresis RED BLOOD CELLS	38564	Added H6 attribute (Part D or 4)
Apheresis RED BLOOD CELLS	38565	Added H9 attribute (Part E or 5)
Apheresis RED BLOOD CELLS	38566	Added HA attribute (Part F or 6)
Apheresis RED BLOOD CELLS	38567	Added HB attribute (Part G or 7)
Apheresis RED BLOOD CELLS	38568	Added HC attribute (Part H or 8)
FRESH FROZEN PLASMA	47201	Added H3 attribute (Part A or 1)
FRESH FROZEN PLASMA	47202	Added H4 attribute (Part B or 2)
FRESH FROZEN PLASMA	47203	Added H5 attribute (Part C or 3)
FRESH FROZEN PLASMA	47204	Added H6 attribute (Part D or 4)
FRESH FROZEN PLASMA	47205	Added H9 attribute (Part E or 5)
FRESH FROZEN PLASMA	47206	Added HA attribute (Part F or 6)
FRESH FROZEN PLASMA	47207	Added HB attribute (Part G or 7)
FRESH FROZEN PLASMA	47208	Added HC attribute (Part H or 8)
Apheresis FRESH FROZEN PLASMA	47211	Added H3 attribute (Part A or 1)
Apheresis FRESH FROZEN PLASMA	47212	Added H4 attribute (Part B or 2)
Apheresis FRESH FROZEN PLASMA	47213	Added H5 attribute (Part C or 3)
Apheresis FRESH FROZEN PLASMA	47214	Added H6 attribute (Part D or 4)
Apheresis FRESH FROZEN PLASMA	47215	Added H9 attribute (Part E or 5)
Apheresis FRESH FROZEN PLASMA	47216	Added HA attribute (Part F or 6)
Apheresis FRESH FROZEN PLASMA	47217	Added HB attribute (Part G or 7)
Apheresis FRESH FROZEN PLASMA	47218	Added HC attribute (Part H or 8)
FRESH FROZEN PLASMA	47301	Added H3 attribute (Part A or 1); Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	47302	Added H4 attribute (Part B or 2); Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	47303	Added H5 attribute (Part C or 3); Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	47304	Added H6 attribute (Part D or 4); Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	47305	Added H9 attribute (Part E or 5); Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	47306	Added HA attribute (Part F or 6); Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	47307	Added HB attribute (Part G or 7); Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	47308	Added HC attribute (Part H or 8); Changed MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	47311	Added H3 attribute (Part A or 1) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	47312	Added H4 attribute (Part B or 2) and MST from 8760 to 61320

Product Type Code	Product Code	Table Changes
Apheresis FRESH FROZEN PLASMA	47313	Added H5 attribute (Part C or 3) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	47314	Added H6 attribute (Part D or 4) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	47315	Added H9 attribute (Part E or 5) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	47316	Added HA attribute (Part F or 6) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	47317	Added HB attribute (Part G or 7) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	47318	Added HC attribute (Part H or 8) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	47411	Added H3 attribute (Part A or 1); Changed short name from "PLASMA AFR None" to "FFP AFR None"
Apheresis FRESH FROZEN PLASMA	47412	Added H4 attribute (Part B or 2); Changed short name from "PLASMA AFR None" to "FFP AFR None"
Apheresis FRESH FROZEN PLASMA	47413	Added H5 attribute (Part C or 3); Changed short name from "PLASMA AFR None" to "FFP AFR None"
Apheresis FRESH FROZEN PLASMA	47414	Added H6 attribute (Part D or 4); Changed short name from "PLASMA AFR None" to "FFP AFR None"
Apheresis FRESH FROZEN PLASMA	47415	Added H9 attribute (Part E or 5); Changed short name from "PLASMA AFR None" to "FFP AFR None"
Apheresis FRESH FROZEN PLASMA	47416	Added HA attribute (Part F or 6); Changed short name from "PLASMA AFR None" to "FFP AFR None"
Apheresis FRESH FROZEN PLASMA	47417	Added HB attribute (Part G or 7); Changed short name from "PLASMA AFR None" to "FFP AFR None"
Apheresis FRESH FROZEN PLASMA	47418	Added HC attribute (Part H or 8); Changed short name from "PLASMA AFR None" to "FFP AFR None"
FRESH FROZEN PLASMA	47601	Added H3 attribute (Part A or 1)
FRESH FROZEN PLASMA	47602	Added H4 attribute (Part B or 2)
FRESH FROZEN PLASMA	47603	Added H5 attribute (Part C or 3)
FRESH FROZEN PLASMA	47604	Added H6 attribute (Part D or 4)
FRESH FROZEN PLASMA	47605	Added H9 attribute (Part E or 5)
FRESH FROZEN PLASMA	47606	Added HA attribute (Part F or 6)
FRESH FROZEN PLASMA	47607	Added HB attribute (Part G or 7)
FRESH FROZEN PLASMA	47608	Added HC attribute (Part H or 8)
Apheresis FRESH FROZEN PLASMA	47611	Added H3 attribute (Part A or 1)
Apheresis FRESH FROZEN PLASMA	47612	Added H4 attribute (Part B or 2)
Apheresis FRESH FROZEN PLASMA	47613	Added H5 attribute (Part C or 3)
Apheresis FRESH FROZEN PLASMA	47614	Added H6 attribute (Part D or 4)
Apheresis FRESH FROZEN PLASMA	47615	Added H9 attribute (Part E or 5)
Apheresis FRESH FROZEN PLASMA	47616	Added HA attribute (Part F or 6)
Apheresis FRESH FROZEN PLASMA	47617	Added HB attribute (Part G or 7)
Apheresis FRESH FROZEN PLASMA	47618	Added HC attribute (Part H or 8)
Apheresis FRESH FROZEN PLASMA	47711	Added H3 attribute (Part A or 1) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	47712	Added H4 attribute (Part B or 2) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	47713	Added H5 attribute (Part C or 3) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	47714	Added H6 attribute (Part D or 4) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	47715	Added H9 attribute (Part E or 5) and MST from 8760 to 61320



Product Type Code	Product Code	Table Changes
Apheresis FRESH FROZEN PLASMA	47716	Added HA attribute (Part F or 6) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	47717	Added HB attribute (Part G or 7) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	47718	Added HC attribute (Part H or 8) and MST from 8760 to 61320
FRESH FROZEN PLASMA	48201	Added H3 attribute (Part A or 1)
FRESH FROZEN PLASMA	48202	Added H4 attribute (Part B or 2)
FRESH FROZEN PLASMA	48203	Added H5 attribute (Part C or 3)
FRESH FROZEN PLASMA	48204	Added H6 attribute (Part D or 4)
FRESH FROZEN PLASMA	48205	Added H9 attribute (Part E or 5)
FRESH FROZEN PLASMA	48206	Added HA attribute (Part F or 6)
FRESH FROZEN PLASMA	48207	Added HB attribute (Part G or 7)
FRESH FROZEN PLASMA	48208	Added HC attribute (Part H or 8)
Apheresis FRESH FROZEN PLASMA	48211	Added H3 attribute (Part A or 1)
Apheresis FRESH FROZEN PLASMA	48212	Added H4 attribute (Part B or 2)
Apheresis FRESH FROZEN PLASMA	48213	Added H5 attribute (Part C or 3)
Apheresis FRESH FROZEN PLASMA	48214	Added H6 attribute (Part D or 4)
Apheresis FRESH FROZEN PLASMA	48215	Added H9 attribute (Part E or 5)
Apheresis FRESH FROZEN PLASMA	48216	Added HA attribute (Part F or 6)
Apheresis FRESH FROZEN PLASMA	48217	Added HB attribute (Part G or 7)
Apheresis FRESH FROZEN PLASMA	48218	Added HC attribute (Part H or 8)
FRESH FROZEN PLASMA	48301	Added H3 attribute (Part A or 1); Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	48302	Added H4 attribute (Part B or 2); Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	48303	Added H5 attribute (Part C or 3); Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	48304	Added H6 attribute (Part D or 4); Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	48305	Added H9 attribute (Part E or 5); Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	48306	Added HA attribute (Part F or 6); Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	48307	Added HB attribute (Part G or 7); Changed MST from 8760 to 61320
FRESH FROZEN PLASMA	48308	Added HC attribute (Part H or 8); Changed MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	48311	Added H3 attribute (Part A or 1) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	48312	Added H4 attribute (Part B or 2) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	48313	Added H5 attribute (Part C or 3) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	48314	Added H6 attribute (Part D or 4) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	48315	Added H9 attribute (Part E or 5) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	48316	Added HA attribute (Part F or 6) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	48317	Added HB attribute (Part G or 7) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	48318	Added HC attribute (Part H or 8) and MST from 8760 to 61320

Product Type Code	Product Code	Table Changes
FRESH FROZEN PLASMA	48601	Added H3 attribute (Part A or 1)
FRESH FROZEN PLASMA	48602	Added H4 attribute (Part B or 2)
FRESH FROZEN PLASMA	48603	Added H5 attribute (Part C or 3)
FRESH FROZEN PLASMA	48604	Added H6 attribute (Part D or 4)
FRESH FROZEN PLASMA	48605	Added H9 attribute (Part E or 5)
FRESH FROZEN PLASMA	48606	Added HA attribute (Part F or 6)
FRESH FROZEN PLASMA	48607	Added HB attribute (Part G or 7)
FRESH FROZEN PLASMA	48608	Added HC attribute (Part H or 8)
Apheresis FRESH FROZEN PLASMA	48611	Added H3 attribute (Part A or 1)
Apheresis FRESH FROZEN PLASMA	48612	Added H4 attribute (Part B or 2)
Apheresis FRESH FROZEN PLASMA	48613	Added H5 attribute (Part C or 3)
Apheresis FRESH FROZEN PLASMA	48614	Added H6 attribute (Part D or 4)
Apheresis FRESH FROZEN PLASMA	48615	Added H9 attribute (Part E or 5)
Apheresis FRESH FROZEN PLASMA	48616	Added HA attribute (Part F or 6)
Apheresis FRESH FROZEN PLASMA	48617	Added HB attribute (Part G or 7)
Apheresis FRESH FROZEN PLASMA	48618	Added HC attribute (Part H or 8)
Apheresis FRESH FROZEN PLASMA	48711	Added H3 attribute (Part A or 1) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	48712	Added H4 attribute (Part B or 2) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	48713	Added H5 attribute (Part C or 3) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	48714	Added H6 attribute (Part D or 4) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	48715	Added H9 attribute (Part E or 5) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	48716	Added HA attribute (Part F or 6) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	48717	Added HB attribute (Part G or 7) and MST from 8760 to 61320
Apheresis FRESH FROZEN PLASMA	48718	Added HC attribute (Part H or 8) and MST from 8760 to 61320
Apheresis PLATELETS	50000	Changed MST from 168 to 120
Apheresis PLATELETS	50001	Changed MST from 168 to 120
Apheresis PLATELETS	50002	Changed MST from 168 to 120
Apheresis PLATELETS	50003	Changed MST from 168 to 120
Apheresis PLATELETS	50004	Changed MST from 168 to 120
Apheresis PLATELETS	50005	Changed MST from 168 to 120
Apheresis PLATELETS	50006	Added H3 attribute (Part A or 1); Changed MST from 168 to 120
Apheresis PLATELETS	50007	Added H4 attribute (Part B or 2); Changed MST from 168 to 120
Apheresis PLATELETS	50008	Added H5 attribute (Part C or 3); Changed MST from 168 to 120
Apheresis PLATELETS	50009	Added H6 attribute (Part D or 4); Changed MST from 168 to 120
Apheresis PLATELETS	50010	Added H9 attribute (Part E or 5); Changed MST from 168 to 120
Apheresis PLATELETS	50011	Added HA attribute (Part F or 6); Changed MST from 168 to 120

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes</b>
Apheresis PLATELETS	50012	Added HB attribute (Part G or 7); Changed MST from 168 to 120
Apheresis PLATELETS	50013	Added HC attribute (Part H or 8); Changed MST from 168 to 120
Apheresis PLATELETS	50014	Added H3 attribute (Part A or 1); Changed MST from 168 to 120
Apheresis PLATELETS	50015	Added H4 attribute (Part B or 2); Changed MST from 168 to 120
Apheresis PLATELETS	50016	Added H5 attribute (Part C or 3); Changed MST from 168 to 120
Apheresis PLATELETS	50017	Added H6 attribute (Part D or 4); Changed MST from 168 to 120
Apheresis PLATELETS	50018	Added H9 attribute (Part E or 5); Changed MST from 168 to 120
Apheresis PLATELETS	50019	Added HA attribute (Part F or 6); Changed MST from 168 to 120
Apheresis PLATELETS	50020	Added HB attribute (Part G or 7); Changed MST from 168 to 120
Apheresis PLATELETS	50021	Added HC attribute (Part H or 8); Changed MST from 168 to 120
Apheresis PLATELETS	50022	Added H3 attribute (Part A or 1); Changed MST from 168 to 120
Apheresis PLATELETS	50023	Added H4 attribute (Part B or 2); Changed MST from 168 to 120
Apheresis PLATELETS	50024	Added H5 attribute (Part C or 3); Changed MST from 168 to 120
Apheresis PLATELETS	50025	Added H6 attribute (Part D or 4); Changed MST from 168 to 120
Apheresis PLATELETS	50026	Added H9 attribute (Part E or 5); Changed MST from 168 to 120
Apheresis PLATELETS	50027	Added HA attribute (Part F or 6); Changed MST from 168 to 120
Apheresis PLATELETS	50028	Added HB attribute (Part G or 7); Changed MST from 168 to 120
Apheresis PLATELETS	50029	Added HC attribute (Part H or 8); Changed MST from 168 to 120
Apheresis PLATELETS	50030	Added H3 attribute (Part A or 1); Changed MST from 168 to 120
Apheresis PLATELETS	50031	Added H4 attribute (Part B or 2); Changed MST from 168 to 120
Apheresis PLATELETS	50032	Added H5 attribute (Part C or 3); Changed MST from 168 to 120
Apheresis PLATELETS	50033	Added H6 attribute (Part D or 4); Changed MST from 168 to 120
Apheresis PLATELETS	50034	Added H9 attribute (Part E or 5); Changed MST from 168 to 120
Apheresis PLATELETS	50035	Added HA attribute (Part F or 6); Changed MST from 168 to 120
Apheresis PLATELETS	50036	Added HB attribute (Part G or 7); Changed MST from 168 to 120
Apheresis PLATELETS	50037	Added HC attribute (Part H or 8); Changed MST from 168 to 120
Apheresis PLATELETS	50038	Added H3 attribute (Part A or 1); Changed MST from 168 to 120
Apheresis PLATELETS	50039	Added H4 attribute (Part B or 2); Changed MST from 168 to 120
Apheresis PLATELETS	50040	Added H5 attribute (Part C or 3); Changed MST from 168 to 120
Apheresis PLATELETS	50041	Added H6 attribute (Part D or 4); Changed MST from 168 to 120
Apheresis PLATELETS	50042	Added H9 attribute (Part E or 5); Changed MST from 168 to 120

Product Type Code	Product Code	Table Changes
Apheresis PLATELETS	50043	Added HA attribute (Part F or 6); Changed MST from 168 to 120
Apheresis PLATELETS	50044	Added HB attribute (Part G or 7); Changed MST from 168 to 120
Apheresis PLATELETS	50045	Added HC attribute (Part H or 8); Changed MST from 168 to 120
Apheresis PLATELETS	50046	Added H3 attribute (Part A or 1); Changed MST from 168 to 120
Apheresis PLATELETS	50047	Added H4 attribute (Part B or 2); Changed MST from 168 to 120
Apheresis PLATELETS	50048	Added H5 attribute (Part C or 3); Changed MST from 168 to 120
Apheresis PLATELETS	50049	Added H6 attribute (Part D or 4); Changed MST from 168 to 120
Apheresis PLATELETS	50050	Added H9 attribute (Part E or 5); Changed MST from 168 to 120
Apheresis PLATELETS	50051	Added HA attribute (Part F or 6); Changed MST from 168 to 120
Apheresis PLATELETS	50052	Added HB attribute (Part G or 7); Changed MST from 168 to 120
Apheresis PLATELETS	50053	Added HC attribute (Part H or 8); Changed MST from 168 to 120
Apheresis PLATELETS	50054	Changed MST from 168 to 120
Apheresis PLATELETS	50055	Changed MST from 168 to 120
Apheresis PLATELETS	52011	Added H3 attribute (Part A or 1)
Apheresis PLATELETS	52012	Added H4 attribute (Part B or 2)
Apheresis PLATELETS	52013	Added H5 attribute (Part C or 3)
Apheresis PLATELETS	52014	Added H6 attribute (Part D or 4)
Apheresis PLATELETS	52015	Added H9 attribute (Part E or 5)
Apheresis PLATELETS	52016	Added HA attribute (Part F or 6)
Apheresis PLATELETS	52017	Added HB attribute (Part G or 7)
Apheresis PLATELETS	52018	Added HC attribute (Part H or 8)
Apheresis PLATELETS	52021	Changed H attribute from H4 to H3
Apheresis PLATELETS	52023	Changed H attribute from H4 to H5
Apheresis PLATELETS	52024	Changed H attribute from H4 to H6
Apheresis PLATELETS	52025	Changed H attribute from H4 to H9
Apheresis PLATELETS	52026	Changed H attribute from H4 to HA
Apheresis PLATELETS	52027	Changed H attribute from H4 to HB
Apheresis PLATELETS	52028	Changed H attribute from H4 to HC
Apheresis PLATELETS	52031	Changed H attribute from H5 to H3
Apheresis PLATELETS	52032	Changed H attribute from H5 to H4
Apheresis PLATELETS	52034	Changed H attribute from H5 to H6
Apheresis PLATELETS	52035	Changed H attribute from H5 to H9
Apheresis PLATELETS	52036	Changed H attribute from H5 to HA
Apheresis PLATELETS	52037	Changed H attribute from H5 to HB
Apheresis PLATELETS	52038	Changed H attribute from H5 to HC

Product Type Code	Product Code	Table Changes
Apheresis PLATELETS	52611	Added H3 attribute (Part A or 1)
Apheresis PLATELETS	52612	Added H4 attribute (Part B or 2)
Apheresis PLATELETS	52613	Added H5 attribute (Part C or 3)
Apheresis PLATELETS	52614	Added H6 attribute (Part D or 4)
Apheresis PLATELETS	52615	Added H9 attribute (Part E or 5)
Apheresis PLATELETS	52616	Added HA attribute (Part F or 6)
Apheresis PLATELETS	52617	Added HB attribute (Part G or 7)
Apheresis PLATELETS	52618	Added HC attribute (Part H or 8)
Apheresis PLATELETS	52621	Changed H attribute from H4 to H3
Apheresis PLATELETS	52623	Changed H attribute from H4 to H5
Apheresis PLATELETS	52624	Changed H attribute from H4 to H6
Apheresis PLATELETS	52625	Changed H attribute from H4 to H9
Apheresis PLATELETS	52626	Changed H attribute from H4 to HA
Apheresis PLATELETS	52627	Changed H attribute from H4 to HB
Apheresis PLATELETS	52628	Changed H attribute from H4 to HC
Apheresis PLATELETS	52631	Changed H attribute from H5 to H3
Apheresis PLATELETS	52632	Changed H attribute from H5 to H4
Apheresis PLATELETS	52634	Changed H attribute from H5 to H6
Apheresis PLATELETS	52635	Changed H attribute from H5 to H9
Apheresis PLATELETS	52636	Changed H attribute from H5 to HA
Apheresis PLATELETS	52637	Changed H attribute from H5 to HB
Apheresis PLATELETS	52638	Changed H attribute from H5 to HC
Apheresis PLATELETS	52711	Added H3 attribute (Part A or 1)
Apheresis PLATELETS	52712	Added H4 attribute (Part B or 2)
Apheresis PLATELETS	52713	Added H5 attribute (Part C or 3)
Apheresis PLATELETS	52714	Added H6 attribute (Part D or 4)
Apheresis PLATELETS	52715	Added H9 attribute (Part E or 5)
Apheresis PLATELETS	52716	Added HA attribute (Part F or 6)
Apheresis PLATELETS	52717	Added HB attribute (Part G or 7)
Apheresis PLATELETS	52718	Added HC attribute (Part H or 8)
Apheresis PLATELETS	52721	Changed H attribute from H4 to H3
Apheresis PLATELETS	52723	Changed H attribute from H4 to H5
Apheresis PLATELETS	52724	Changed H attribute from H4 to H6
Apheresis PLATELETS	52725	Changed H attribute from H4 to H9
Apheresis PLATELETS	52726	Changed H attribute from H4 to HA
Apheresis PLATELETS	52727	Changed H attribute from H4 to HB

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes</b>
Apheresis PLATELETS	52728	Changed H attribute from H4 to HC
Apheresis PLATELETS	52731	Changed H attribute from H5 to H3
Apheresis PLATELETS	52732	Changed H attribute from H5 to H4
Apheresis PLATELETS	52734	Changed H attribute from H5 to H6
Apheresis PLATELETS	52735	Changed H attribute from H5 to H9
Apheresis PLATELETS	52736	Changed H attribute from H5 to HA
Apheresis PLATELETS	52737	Changed H attribute from H5 to HB
Apheresis PLATELETS	52738	Changed H attribute from H5 to HC
Apheresis PLATELETS	52811	Added H3 attribute (Part A or 1)
Apheresis PLATELETS	52812	Added H4 attribute (Part B or 2)
Apheresis PLATELETS	52813	Added H5 attribute (Part C or 3)
Apheresis PLATELETS	52814	Added H6 attribute (Part D or 4)
Apheresis PLATELETS	52815	Added H9 attribute (Part E or 5)
Apheresis PLATELETS	52816	Added HA attribute (Part F or 6)
Apheresis PLATELETS	52817	Added HB attribute (Part G or 7)
Apheresis PLATELETS	52818	Added HC attribute (Part H or 8)
Apheresis PLATELETS	52821	Changed H attribute from H4 to H3
Apheresis PLATELETS	52823	Changed H attribute from H4 to H5
Apheresis PLATELETS	52824	Changed H attribute from H4 to H6
Apheresis PLATELETS	52825	Changed H attribute from H4 to H9
Apheresis PLATELETS	52826	Changed H attribute from H4 to HA
Apheresis PLATELETS	52827	Changed H attribute from H4 to HB
Apheresis PLATELETS	52828	Changed H attribute from H4 to HC
Apheresis PLATELETS	52831	Changed H attribute from H5 to H3
Apheresis PLATELETS	52832	Changed H attribute from H5 to H4
Apheresis PLATELETS	52834	Changed H attribute from H5 to H6
Apheresis PLATELETS	52835	Changed H attribute from H5 to H9
Apheresis PLATELETS	52836	Changed H attribute from H5 to HA
Apheresis PLATELETS	52837	Changed H attribute from H5 to HB
Apheresis PLATELETS	52838	Changed H attribute from H5 to HC
WHOLE BLOOD	60161	Added H3 attribute (Part A or 1)
WHOLE BLOOD	60162	Added H4 attribute (Part B or 2)
WHOLE BLOOD	60163	Added H5 attribute (Part C or 3)
WHOLE BLOOD	60164	Added H6 attribute (Part D or 4)
WHOLE BLOOD	60165	Added H9 attribute (Part E or 5)
WHOLE BLOOD	60261	Added H3 attribute (Part A or 1)

<b>Product Type Code</b>	<b>Product Code</b>	<b>Table Changes</b>
WHOLE BLOOD	60262	Added H4 attribute (Part B or 2)
WHOLE BLOOD	60263	Added H5 attribute (Part C or 3)
WHOLE BLOOD	60264	Added H6 attribute (Part D or 4)
WHOLE BLOOD	60265	Added H9 attribute (Part E or 5)
WHOLE BLOOD	61461	Added H3 attribute (Part A or 1)
WHOLE BLOOD	61462	Added H4 attribute (Part B or 2)
WHOLE BLOOD	61463	Added H5 attribute (Part C or 3)
WHOLE BLOOD	61464	Added H6 attribute (Part D or 4)
WHOLE BLOOD	61465	Added H9 attribute (Part E or 5)
WHOLE BLOOD	62461	Added H3 attribute (Part A or 1)
WHOLE BLOOD	62462	Added H4 attribute (Part B or 2)
WHOLE BLOOD	62463	Added H5 attribute (Part C or 3)
WHOLE BLOOD	62464	Added H6 attribute (Part D or 4)
WHOLE BLOOD	62465	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	64061	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	64062	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	64063	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	64064	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	64065	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	64361	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	64362	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	64363	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	64364	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	64365	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	65061	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	65062	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	65063	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	65064	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	65065	Added H9 attribute (Part E or 5)
RED BLOOD CELLS	65361	Added H3 attribute (Part A or 1)
RED BLOOD CELLS	65362	Added H4 attribute (Part B or 2)
RED BLOOD CELLS	65363	Added H5 attribute (Part C or 3)
RED BLOOD CELLS	65364	Added H6 attribute (Part D or 4)
RED BLOOD CELLS	65365	Added H9 attribute (Part E or 5)
Thawed FRESH FROZEN PLASMA	89501	Changed MST from 120 to 4

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