

VistA Blood Establishment Computer Software (VBECS) 2.3.2 Rev B

Release Notes Version 3.0

Department of Veterans Affairs

Enterprise Project Management Office

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# Revision History

| **Date** | **Revision** | **Description** | **Author** |
| --- | --- | --- | --- |
| 12/11/19 | 1.0 | VBECS 2.3.2 Rev B  Initial version (Task 1105680) | BBM Team |
| 1/3/20 | 2.0 | VBECS 2.3.2 Rev B  Updates from UAT (Task 1184550)  VBECS User Documents: Updated VDL URL  FAQ Documents list: Updated  Table 1, Row 1: Updated Change Summary and Validation Scenario.  Table 1, Row 3: Updated Change Summary.  Table 1, Row 6: Updated Change Summary and Validation Scenario.  Table 1, Row 7: Updated Change Summary.  Table 1, Row 8: Updated Change Summary.  Table 3: Added table. | BBM Team |
| 2/12/20 | 3.0 | VBECS 2.3.2 Rev B  Updates from IOC (Task 1216020)  FAQ Document table, FAQ Database Conversion Oddballs row: Corrected version date to “09/15/09”.  Table 1, Row 1, Validation Scenario: Removed the testing of the collection facility name changing.  Table 1, Row 1, Problem Summary: Added a note regarding the collection facility name defect. (1212351) | BBM Team |

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# Introduction

*VistA Blood Establishment Computer Software (VBECS) 2.3.2 Rev B Release Notes* contains information for changes and corrections made to VBECS in the 2.3.2 Rev B patch.

Perform a local evaluation and risk assessment of the changes to determine the requirements for local validation of the changes, including documentation of the assessment activities. See Validation Planning.

# Changed Features and Functions

This revision letter patch release is centrally focused around providing blood product updates released from International Council for Commonality in Blood Banking Automation, Inc. (ICCBBA) and to provide solutions to customer reported issues which could be addressed with database-only updates.

Primary Goals of the Project

1. Regulatory Compliance Updates
   1. Blood product updates released by ICCBBA April 2019 through September 2019.
   2. Fix known defects related to the blood product table.
2. Customer Reported Issues and Enhancements
   1. Fix known defects and requests related to the Division Transfusion Report.
   2. Fix known defects and requests related to the Cost Accounting Report and Unit History Report.
   3. Present all ABO/Rh compatible units (including Limited and Quarantined) on the unit selection picklist when selecting blood units for a patient.

Table 1: Updates by Option provides complete lists of the included changes.

For a full list of new product codes see Table 2: New ICCBBA Blood Products.

Service Desk ticket numbers are no longer included in the release notes, as the defect tracking number processes all changes. The defect tracking number is identified in the ticket prior to closure.

## Untestable System-Level Corrected Code Requests

* None

## VistA Software Dependencies

* VBEC\*2\*6 - This is an informational VistA patch.

## VBECS User Documents

The following is a list of all the VBECS user documents that apply to the VBECS 2.3.2 Rev B patch release. The **Updated** column identifies the documents that have been updated with this VBECS 2.3.2 Rev B revision letter patch release.

These user documents are available from the VA Software Document Library (VDL) at <https://www.va.gov/vdl/application.asp?appid=182>.

|  |  |  |
| --- | --- | --- |
| **User Document** | **Version** | **Updated** |
| *VistA Blood Establishment Computer Software (VBECS) 2.3.2 User Guide* | 4.0 | Yes |
| *VistA Blood Establishment Computer Software (VBECS) 2.3.2 Administrator User Guide* | 3.0 | No |
| *VistA Blood Establishment Computer Software (VBECS) 2.3.2 Known Defects and Anomalies* | 3.0 | Yes |
| *VistA Blood Establishment Computer Software (VBECS) 2.3.2 Technical Manual-Security Guide* | 1.0 | No |
| *VistA Blood Establishment Computer Software (VBECS) - Echo Interface Configuration and Setup Guide* | 5.0 | No |
| *VistA Blood Establishment Computer Software (VBECS) - Erytra Interface Configuration and Setup Guide* | 2.0 | No |
| *VistA Blood Establishment Computer Software (VBECS) - ProVue Interface Configuration and Setup Guide* | 5.0 | No |
| *VistA Blood Establishment Computer Software (VBECS) - Vision Interface Configuration and Setup Guide* | 4.0 | No |

The following is a list of all the VBECS FAQ documents that apply to the VBECS 2.3.2 Rev B patch release. The **Updated** column identifies the documents that have been updated with this VBECS 2.3.2 Rev B revision letter patch release.

These FAQ documents are available from the VA SharePoint site at <https://dvagov.sharepoint.com/sites/oitepmovbecs/>.

|  |  |  |
| --- | --- | --- |
| **FAQ Document** | **Version** | **Updated** |
| *FAQ ABO subgroup Interpretations* | 11/22/16 | No |
| *FAQ Ancillary VistA Validation* | 11/28/17 | No |
| *FAQ Antibodies with No Antigen Negative Requirement* | 10/15/14 | No |
| *FAQ Blood Product Table Processes* | 03/28/19 | No |
| *FAQ CAP Comprehensive Transfusions Medicine Crossmatch Survey* | 11/22/16 | No |
| *FAQ Compound Antibodies* | 02/27/13 | No |
| *FAQ CPRS VBECS Order Details* | 04/01/09 | No |
| *FAQ Database Conversion Oddballs* | 09/15/09 | No |
| *FAQ Documenting Unhandled Exceptions* | 05/21/07 | No |
| *FAQ Handling ABO Incompatible Transfusion Situations* | 09/23/14 | No |
| *FAQ How to File a New Service Request for Changes to VBECS* | 12/08/16 | No |
| *FAQ How to take faster screen shots from Remote Desktop Session* | 12/17/14 | No |
| *FAQ Identifying a Comparable Blood Product Code* | 03/28/19 | No |
| *FAQ Local Facilities* | 12/27/19 | Yes |
| *FAQ Local Facilities FDA and FIN Registration Numbers* | Retired | Yes |
| *FAQ Modification Target Not Available* | 11/28/17 | No |
| *FAQ Multidivisional QC Rack Workaround* | 11/28/17 | No |
| *FAQ Order Status Clarification* | 11/15/17 | No |
| *FAQ Polyspecific AHG Not Used for Testing* | 01/29/10 | No |
| *FAQ Proper Use of PIV Card with VBECS* | 11/04/19 | No |
| *FAQ QC Setup* | 01/29/10 | No |
| *FAQ Retesting QC* | 11/01/11 | No |
| *FAQ Retrieving an Expired Order* | 12/07/17 | No |
| *FAQ The Difference Between Transfusion Only and Full Service Facility Types* | 02/08/10 | No |
| *FAQ VBECS Blood Product Hierarchy* | 03/28/19 | No |
| *FAQ VBECS Computer Crossmatch Decision Tree* | 02/08/12 | No |
| *FAQ Weak D Policy* | 01/11/10 | No |

# Customer Support

## Problems?

Contact your Local Office of Information Technology (OIT) or Laboratory Information Manager (LIM) if you encounter VistA or CPRS connection problems and for training support **before** contacting the Service Desk (SD).

|  |
| --- |
| * Please ensure local contact information is available at all times. SD support will engage Enterprise Operations (EO) personnel as needed. * Problems with connectivity to VistA and CPRS may require personnel from EO with VBECS server administrator access and VistA IT support access. * If you experience a Food and Drug Administratin (FDA) reportable adverse event (patient death or serious injury) that VBECS may have caused or contributed to, contact the Service Desk directly to enter a ticket for Blood Bank software support. |

If the problem remains unresolved after local VistA triage, call the Service Desk (below) and specify the Enterprise Application be set as VistA Blood Establishment Computer Software. This will cause the Assignment group to default to NTL Alert Blood Bank & VBECS, which alerts the Clin2 team.

**Service Desk Contact**

For Information Technology (IT) support, call the Service Desk (855-NSD-HELP (855-673-4357) toll free, 24 hours per day, 7 days per week.

## References

* *ISBT128 Standard Technical Specification v 5.10.0*

|  |
| --- |
| * *Blood Product Revisions ICCBBA Version 7.29.0, September 2019* |

## VBECS SharePoint Site

The VBECS SharePoint site provides a location for additional information related to the VBECS application such as FAQs, installation status, and release history.

<https://dvagov.sharepoint.com/sites/oitepmovbecs/>.

# Installation Qualification (IQ) Documentation

The expedited patch installation process will continue with the installation of VBECS 2.3.2 Rev B.

|  |  |
| --- | --- |
| **Test Account Upgrade to VBECS 2.3.2 Revision B** | |
| Required Patch Installation | VistA Patch: N/A  Server Patch: VBECS 2.3.2 Revision B |
| Installation Process for VBECS 2.3.2 Rev B | Installed by the BBM team, all sites will be installed in one day. The date of installation will be communicated through a ListServ announcement. |
| Expected Downtime | None |
| Installation Communication for VBECS 2.3.2 Rev B | ListServ message will be sent after all Test accounts have been installed. |
| Site Responsibility | * Join VBECS-L message board on ListServ, if needed. * Please communicate any changes to your site supervisor and Point of Contact (POC) since the last patch install to the BBM team to the email group “VA OIT BBM Team”. |
| Site Record of Patch Installation | Sites should take and save a screenshot of the VBECS Help, About window after the Test installation is performed. This displays the VBECS updated version information. |

|  |  |
| --- | --- |
| **Production Account Upgrade to VBECS 2.3.2 Revision B** | |
| Required Patch Installation | VistA Patch: N/A  Server Patch: VBECS 2.3.2 Revision B |
| Installation Process for VBECS 2.3.2 Rev B | Installed by the BBM team. Production installation does not require participation from the site contacts. A small number of sites will be installed each day over several days. The schedule of installation dates will be communicated through a ListServ announcement. |
| Expected Downtime | You will be able to use VBECS during the patch installation. VBECS installation on your production account only lasts a few minutes and is invisible to users.  If you encounter any disruption or errors while viewing or printing reports during the installation, try again after a few minutes. |
| Installation Communication for VBECS 2.3.2 Rev B | ListServ message will be sent after each region has been installed into Production. |
| Site Responsibility | * Perform local validation, training, and set-up requirements prior to Production installation. * Join VBECS-L message board on ListServ, if needed. * Please communicate any changes to your site supervisor and Point of Contact (POC) since the last patch install to the BBM team to the email group “VA OIT BBM Team”. |
| Site Record of Patch Installation | Sites should take and save a screenshot of the VBECS Help, About window after Production installation is performed. This displays the VBECS updated version information. |

# Validation Planning

The following is a flowchart to help assess changes for validation planning.



# Table 1: Updates by Option

When performing validation of updates in Test Accounts, coordinate with local IT for policies pertaining to the availability of background jobs needed to support validations. In some cases, background jobs may need to be started.

| ID | Option | **Problem Summary** | **Change Summary** | **Validation Scenario** | **Change applies to my facility. (Y/N)** | **Local risk Assessment**  **(Low, Med, High)** | **SOP revision required. If yes, identify it.** | **Staff training needed.**  **(Y/N)** | **Scenarios or validation must be performed.**  **(Y/N)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Cost Accounting Report and Unit History Report  1075464 | If a blood supplier name changes, previous blood inventory would reflect the new blood supplier name even if it was supplied using the original supplier.  Note: If a tester uses the same collection facility as the shipper and the collection facility name changes after a unit is shipped in and before a unit is shipped out; the collection facility on the report will reflect the new name instead of the old name. This is a defect that will be fixed in VBECS 2.3.2 Rev C. | Previous blood inventory will display the original supplier name. This correction applies to past data entry as well as future. | Enter a unit into an incoming shipment. Record the associated blood supplier name and entry date. Change the blood supplier name. Ship that same unit out using outgoing shipment. Verify that the correct blood supplier name prints in the incoming and outgoing shipment sections of the Cost Accounting and Unit History Reports.  Enter another unit into an incoming shipment using a different existing blood supplier. Record that blood supplier name and entry date. Process an outgoing shipment for that same unit.  On another day, change that same blood supplier name from the previous step to a new name and enter another unit into an incoming shipment then process an outgoing shipment for that same unit.  Print Cost Accounting Report and Unit History Report including the Incoming Shipment and Outgoing Shipment sections for the dates where you set up the data above. Verify that the name of the shipper for incoming shipment and outgoing shipment reflects the name that was valid during the shipment even if it was changed afterwards. |  |  |  |  |  |
| 2 | Cost Accounting Report  1076976 | For blood units modified in VBECS the Incoming Shipment section displays modified product code and modification cost instead of the original product code and cost entered during the Incoming Shipment. | Incoming shipment section now reflects the original blood product code and cost name. | 1. Login a frozen product into VBECS (FFP or RBC) and record its original product code and cost. 2. Thaw this product in VBECS and run Cost Accounting Report. 3. Verify that Incoming Shipment section of the report shows the original product code and cost recorded in step 1. |  |  |  |  |  |
| 3 | Select Units  1126881 | Compatible Limited and Quarantined units were not displayed to the user. | Compatible Limited and Quarantined units are displayed but are not selectable.  This change was made to alleviate situations in which the blood bank tech is selecting a wrong unit for the patient if there are two blood units with the same Unit ID present and one of them was mistakenly not ABO/Rh confirmed. | 1. Place RBC order in CPRS and accept it in VBECS along with TAS (refer to Appendix A: Place and Sign a VBECS Order (via CPRS GUI) if you don't know how to place orders in CPRS). 2. Complete TAS. 3. Login a few blood units into VBECS that are ABO/Rh compatible with patient for whom you placed an order in Step 1. 4. Perform ABO/Rh confirmation on all blood units except one. 5. Mark one of the ABO/Rh confirmed units as quarantined. 6. Attempt to select blood units for the order from Step 1. Do not scan units but use the blood unit picklist (click the Find button to display blood unit picklist). 7. Verify that compatible Limited and Quarantined units are displayed, in the picklist but not selectable for the patient. |  |  |  |  |  |
| 4 | Division Transfusion Report  1075464 | The list of issuing physicians, issue-to locations, and treating specialties included data from all divisions. | Only division-specific data are shown. | Verification should only be done by multidivisional sites.  Verify that the list of issue-to locations, physicians, and treating specialties in Division Transfusion Report criteria dialog contains only items from your division. |  |  |  |  |  |
| 5 | Blood Products  1104489 | Update the blood product table with new ICCBBA blood product codes April 2019 through September 2019. | VBECS contains additional ICCBBA blood product codes for use from E9557 to E9656.  For a full list of new product codes, see Table 2: New ICCBBA Blood Products. | Use Tools, Blood Products to associate the blood products with an active facility. Repeat as needed for each product code that you may receive from your supplier. |  |  |  |  |  |
| 6 | Blood Products  1120268 | Maximum Storage Time was set to 456 days and 6 hours (10950 hours). | Maximum Storage Time for Lyophilized PLATELET-RICH PLASMA (E8594) and Lyophilized Apheresis POOLED FRESH FROZEN PLASMA (E9494) changed to 456 days (10944 hours). | Validation is not required. |  |  |  |  |  |
| 7 | Blood Products  1004222 | Riboflavin treated blood products do not satisfy patient's transfusion requirement for "Pre-treated to prevent GVHD". | Product attribute V0021006 (Riboflavin-treated) is now set to satisfy transfusion requirement for "Pre-treated to prevent GVHD”.  Applies to future use once Riboflavin is approved for use in the US for “Pre-treated to prevent GVHD". | Validation is not required. |  |  |  |  |  |
| 8 | Blood Products  997897 | Product attributes were set to not allow modification. | Product attributes V0001027 (None/500mL/refg) and V0001251 (None/300mL/refg) are now set to allow modification for their associated blood products.  These attributes are found in RBCs. For a full list of affected product codes, see Table 3: Products set to now allow modification.  Note: These products still may not have a valid modification target in some instances. | Validation is not required. |  |  |  |  |  |

# Table 2: New ICCBBA Blood Products

| **Component** | **Product Code** | **Modifiable** | **Product Type** | **Long Name** | **Short Name** | **Maximum Storage Hours** |
| --- | --- | --- | --- | --- | --- | --- |
| FRESH FROZEN PLASMA | E9557 | Yes | Apheresis POOLED FRESH FROZEN PLASMA | Apheresis POOLED FRESH FROZEN PLASMA|ACD-A/XX/<=-25C|Psoralen-treated | FFP AFR Pool ACD-A Psoralen | 8760 |
| RED BLOOD CELLS | E9558 | Yes | RED BLOOD CELLS | RED BLOOD CELLS|CPD>AS5/350mL/refg|ResLeu:<1.2E9 | RBC CPD>AS5 LUKOPR | 1008 |
| RED BLOOD CELLS | E9559 | Yes | RED BLOOD CELLS | RED BLOOD CELLS|CPD>AS5/350mL/refg|ResLeu:<1E6 | RBC CPD>AS5 LUKOPR | 1008 |
| RED BLOOD CELLS | E9560 | Yes | RED BLOOD CELLS | RED BLOOD CELLS|CPD>AS5/350mL/refg|Irradiated|ResLeu:<1E6 | RBC CPD>AS5 IRD LUKOPR | 672 |
| FRESH FROZEN PLASMA | E9561 | No | FRESH FROZEN PLASMA | FRESH FROZEN PLASMA|CPD/450mL/<=-25C|ResLeu:<1E6|Frozen <=8h|Quar:>=112d/retested | FFP CPD LUKOPR QUAR | 8760 |
| FRESH FROZEN PLASMA | E9562 | Yes | FRESH FROZEN PLASMA | FRESH FROZEN PLASMA|CPD/450mL/<=-25C|ResLeu:<1E6|Frozen <=24h | FFP CPD LUKOPR | 8760 |
| FRESH FROZEN PLASMA | E9563 | No | FRESH FROZEN PLASMA | FRESH FROZEN PLASMA|CPD/450mL/<=-25C|ResLeu:<1E6|Frozen <=24h|Quar:>=112d/retested | FFP CPD LUKOPR QUAR | 8760 |
| FRESH FROZEN PLASMA | E9564 | Yes | Thawed FRESH FROZEN PLASMA | Thawed FRESH FROZEN PLASMA|CPD/450mL/refg|Methylene blue-treated | FFP Thaw CPD Methyl Blue | 24 |
| RED BLOOD CELLS | E9565 | Yes | Apheresis RED BLOOD CELLS | Apheresis RED BLOOD CELLS|ACD-A>AS3/XX/refg|Open|ResLeu:<5E6|Saline added | RBC AFR ACD-A>AS3 OPN LUKOPR SAL Add | 24 |
| RED BLOOD CELLS | E9566 | Yes | Apheresis RED BLOOD CELLS | Apheresis RED BLOOD CELLS|ACD-A>AS3/XX/refg|Open|Irradiated|ResLeu:<5E6|Saline added | RBC AFR ACD-A>AS3 OPN IRD LUKOPR SAL Add | 24 |
| RED BLOOD CELLS | E9567 | Yes | Apheresis RED BLOOD CELLS | Apheresis RED BLOOD CELLS|CP2D>AS3/XX/refg|Open|ResLeu:<5E6|Saline added | RBC AFR CP2D>AS3 OPN LUKOPR SAL Add | 24 |
| RED BLOOD CELLS | E9568 | Yes | Apheresis RED BLOOD CELLS | Apheresis RED BLOOD CELLS|CP2D>AS3/XX/refg|Open|ResLeu:<5E6|Saline added|1st container | RBC AFR CP2D>AS3 OPN LUKOPR SAL Add 1C | 24 |
| RED BLOOD CELLS | E9569 | Yes | Apheresis RED BLOOD CELLS | Apheresis RED BLOOD CELLS|CP2D>AS3/XX/refg|Open|ResLeu:<5E6|Saline added|2nd container | RBC AFR CP2D>AS3 OPN LUKOPR SAL Add 2C | 24 |
| RED BLOOD CELLS | E9570 | Yes | Apheresis RED BLOOD CELLS | Apheresis RED BLOOD CELLS|CP2D>AS3/XX/refg|Open|Irradiated|ResLeu:<5E6|Saline added | RBC AFR CP2D>AS3 OPN IRD LUKOPR SAL Add | 24 |
| RED BLOOD CELLS | E9571 | Yes | Apheresis RED BLOOD CELLS | Apheresis RED BLOOD CELLS|CP2D>AS3/XX/refg|Open|Irradiated|ResLeu:<5E6|Saline added|1st container | RBC AFR CP2D>AS3 OPN IRD LUKOPR SAL Add 1C | 24 |
| RED BLOOD CELLS | E9572 | Yes | Apheresis RED BLOOD CELLS | Apheresis RED BLOOD CELLS|CP2D>AS3/XX/refg|Open|Irradiated|ResLeu:<5E6|Saline added|2nd container | RBC AFR CP2D>AS3 OPN IRD LUKOPR SAL Add 2C | 24 |
| RED BLOOD CELLS | E9573 | Yes | RED BLOOD CELLS | RED BLOOD CELLS|CPD/500mL/refg|Open|ResLeu:<5E6|Saline added | RBC CPD OPN LUKOPR SAL Add | 24 |
| RED BLOOD CELLS | E9574 | Yes | RED BLOOD CELLS | RED BLOOD CELLS|CPD/500mL/refg|Open|Irradiated|ResLeu:<5E6|Saline added | RBC CPD OPN IRD LUKOPR SAL Add | 24 |
| FRESH FROZEN PLASMA | E9575 | No | Liquid PLASMA | Liquid PLASMA|CPD/XX/<37C|Not for tx or mnf|ResLeu:<5E6 | PLASMA Liq CPD NMT LUKOPR | 624 |
| CRYOPRECIPITATE | E9576 | No | CRYOPRECIPITATE | CRYOPRECIPITATE|None/XX/<=-18C|For mnf:noninjectable | CRYO None MNFNI | 8760 |
| CRYOPRECIPITATE | E9577 | No | POOLED CRYOPRECIPITATE | POOLED CRYOPRECIPITATE|None/XX/<=-18C|For mnf:noninjectable | CRYO Pool None MNFNI | 8760 |
| RED BLOOD CELLS | E9578 | Yes | Washed Apheresis RED BLOOD CELLS | Washed Apheresis RED BLOOD CELLS|None/XX/refg|1st container | RBC AFR Wash None 1C | 24 |
| RED BLOOD CELLS | E9579 | Yes | Washed Apheresis RED BLOOD CELLS | Washed Apheresis RED BLOOD CELLS|None/XX/refg|2nd container | RBC AFR Wash None 2C | 24 |
| RED BLOOD CELLS | E9580 | Yes | Washed Apheresis RED BLOOD CELLS | Washed Apheresis RED BLOOD CELLS|None/XX/refg|Irradiated|1st container | RBC AFR Wash None IRD 1C | 24 |
| RED BLOOD CELLS | E9581 | Yes | Washed Apheresis RED BLOOD CELLS | Washed Apheresis RED BLOOD CELLS|None/XX/refg|Irradiated|2nd container | RBC AFR Wash None IRD 2C | 24 |
| RED BLOOD CELLS | E9582 | Yes | Deglycerolized Apheresis RED BLOOD CELLS | Deglycerolized Apheresis RED BLOOD CELLS|None/XX/refg|1st container | RBC AFR Deg None 1C | 336 |
| RED BLOOD CELLS | E9583 | Yes | Deglycerolized Apheresis RED BLOOD CELLS | Deglycerolized Apheresis RED BLOOD CELLS|None/XX/refg|2nd container | RBC AFR Deg None 2C | 336 |
| RED BLOOD CELLS | E9584 | Yes | Deglycerolized Apheresis RED BLOOD CELLS | Deglycerolized Apheresis RED BLOOD CELLS|None/XX/refg|Irradiated|1st container | RBC AFR Deg None IRD 1C | 336 |
| RED BLOOD CELLS | E9585 | Yes | Deglycerolized Apheresis RED BLOOD CELLS | Deglycerolized Apheresis RED BLOOD CELLS|None/XX/refg|Irradiated|2nd container | RBC AFR Deg None IRD 2C | 336 |
| RED BLOOD CELLS | E9586 | No | RED BLOOD CELLS | RED BLOOD CELLS|CPD/XX/refg|For mnf:injectable|ResLeu:<5E6|LowVol:anticoag not adj | RBC CPD MNFI LUKOPR LowVol | 504 |
| RED BLOOD CELLS | E9587 | No | RED BLOOD CELLS | RED BLOOD CELLS|CPD/XX/refg|For mnf:noninjectable|ResLeu:<5E6|LowVol:anticoag not adj | RBC CPD MNFNI LUKOPR LowVol | 504 |
| FRESH FROZEN PLASMA | E9588 | Yes | Apheresis FRESH FROZEN PLASMA | Apheresis FRESH FROZEN PLASMA|ACD-A/XX/<=-25C|Irradiated|ResLeu:<1E6|>=200mL<400mL|Frozen <=6h|1st container | FFP AFR ACD-A IRD LUKOPR 1C | 8760 |
| FRESH FROZEN PLASMA | E9589 | Yes | Apheresis FRESH FROZEN PLASMA | Apheresis FRESH FROZEN PLASMA|ACD-A/XX/<=-25C|Irradiated|ResLeu:<1E6|>=200mL<400mL|Frozen <=6h|2nd container | FFP AFR ACD-A IRD LUKOPR 2C | 8760 |
| FRESH FROZEN PLASMA | E9590 | Yes | Apheresis FRESH FROZEN PLASMA | Apheresis FRESH FROZEN PLASMA|ACD-A/XX/<=-25C|Irradiated|ResLeu:<1E6|>=200mL<400mL|Frozen <=6h|3rd container | FFP AFR ACD-A IRD LUKOPR 3C | 8760 |
| FRESH FROZEN PLASMA | E9591 | Yes | Apheresis FRESH FROZEN PLASMA | Apheresis FRESH FROZEN PLASMA|ACD-A/XX/<=-25C|Irradiated|ResLeu:<1E6|<200 mL|Frozen <=6h | FFP AFR ACD-A IRD LUKOPR LowVol | 8760 |
| FRESH FROZEN PLASMA | E9592 | No | Apheresis FRESH FROZEN PLASMA | Apheresis FRESH FROZEN PLASMA|ACD-A/XX/<=-25C|Irradiated|ResLeu:<1E6|>=200mL<400mL|Frozen <=6h|1st container|Quar:>=4m/retested | FFP AFR ACD-A IRD LUKOPR 1C QUAR | 8760 |
| FRESH FROZEN PLASMA | E9593 | No | Apheresis FRESH FROZEN PLASMA | Apheresis FRESH FROZEN PLASMA|ACD-A/XX/<=-25C|Irradiated|ResLeu:<1E6|>=200mL<400mL|Frozen <=6h|2nd container|Quar:>=4m/retested | FFP AFR ACD-A IRD LUKOPR 2C QUAR | 8760 |
| FRESH FROZEN PLASMA | E9594 | No | Apheresis FRESH FROZEN PLASMA | Apheresis FRESH FROZEN PLASMA|ACD-A/XX/<=-25C|Irradiated|ResLeu:<1E6|>=200mL<400mL|Frozen <=6h|3rd container|Quar:>=4m/retested | FFP AFR ACD-A IRD LUKOPR 3C QUAR | 8760 |
| FRESH FROZEN PLASMA | E9595 | No | Apheresis FRESH FROZEN PLASMA | Apheresis FRESH FROZEN PLASMA|ACD-A/XX/<=-25C|Irradiated|ResLeu:<1E6|<200 mL|Frozen <=6h|Quar:>=4m/retested | FFP AFR ACD-A IRD LUKOPR LowVol QUAR | 8760 |
| FRESH FROZEN PLASMA | E9596 | No | Thawed Apheresis FRESH FROZEN PLASMA | Thawed Apheresis FRESH FROZEN PLASMA|ACD-A/XX/rt|Irradiated|ResLeu:<1E6|>=200mL<400mL|Frozen <=6h|1st container|Quar:>=4m/retested | FFP AFR Thaw ACD-A IRD LUKOPR 1C QUAR | 24 |
| FRESH FROZEN PLASMA | E9597 | No | Thawed Apheresis FRESH FROZEN PLASMA | Thawed Apheresis FRESH FROZEN PLASMA|ACD-A/XX/rt|Irradiated|ResLeu:<1E6|>=200mL<400mL|Frozen <=6h|2nd container|Quar:>=4m/retested | FFP AFR Thaw ACD-A IRD LUKOPR 2C QUAR | 24 |
| FRESH FROZEN PLASMA | E9598 | No | Thawed Apheresis FRESH FROZEN PLASMA | Thawed Apheresis FRESH FROZEN PLASMA|ACD-A/XX/rt|Irradiated|ResLeu:<1E6|>=200mL<400mL|Frozen <=6h|3rd container|Quar:>=4m/retested | FFP AFR Thaw ACD-A IRD LUKOPR 3C QUAR | 24 |
| FRESH FROZEN PLASMA | E9599 | No | Thawed Apheresis FRESH FROZEN PLASMA | Thawed Apheresis FRESH FROZEN PLASMA|ACD-A/XX/rt|Irradiated|ResLeu:<1E6|<200 mL|Frozen <=6h|Quar:>=4m/retested | FFP AFR Thaw ACD-A IRD LUKOPR LowVol QUAR | 24 |
| RED BLOOD CELLS | E9600 | No | RED BLOOD CELLS | RED BLOOD CELLS|CPD>SAGM/450mL/refg|RBC irradiated|ResLeu:NS|Supernat rem/Plasma added | RBC CPD>SAGM RBC IRD LUKOPR SR/PA | 672 |
| RED BLOOD CELLS | E9601 | No | RED BLOOD CELLS | RED BLOOD CELLS|CPD>SAGM/450mL/refg|RBC irradiated|ResLeu:<5E6|Supernat rem/Plasma added | RBC CPD>SAGM RBC IRD LUKOPR SR/PA | 672 |
| RED BLOOD CELLS | E9602 | No | RED BLOOD CELLS | RED BLOOD CELLS|CPD>AS1/XX/refg|For mnf:injectable|ResLeu:<5E6|LowVol:anticoag not adj | RBC CPD>AS1 MNFI LUKOPR LowVol | 1008 |
| RED BLOOD CELLS | E9603 | No | RED BLOOD CELLS | RED BLOOD CELLS|CPD>AS1/XX/refg|For mnf:noninjectable|ResLeu:<5E6|LowVol:anticoag not adj | RBC CPD>AS1 MNFNI LUKOPR LowVol | 1008 |
| PLATELETS | E9604 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/20-24C|ResLeu:<1E6|Plasma reduced|Riboflavin-treated | PLT AFR ACD-A LUKOPR PLS Red Ribo | 120 |
| PLATELETS | E9605 | No | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/20-24C|Not for tx or mnf|ResLeu:<5E6|<3E11 plts | PLT AFR ACD-A NMT LUKOPR | 120 |
| PLATELETS | E9606 | Yes | Washed Apheresis PLATELETS | Washed Apheresis PLATELETS|None/XX/20-24C|ResLeu:<5E6 | PLT AFR Wash None LUKOPR | 4 |
| PLATELETS | E9607 | Yes | Washed Apheresis PLATELETS | Washed Apheresis PLATELETS|None/XX/20-24C|ResLeu:<5E6|1st container | PLT AFR Wash None LUKOPR 1C | 4 |
| PLATELETS | E9608 | Yes | Washed Apheresis PLATELETS | Washed Apheresis PLATELETS|None/XX/20-24C|ResLeu:<5E6|2nd container | PLT AFR Wash None LUKOPR 2C | 4 |
| PLATELETS | E9609 | Yes | Washed Apheresis PLATELETS | Washed Apheresis PLATELETS|None/XX/20-24C|ResLeu:<5E6|3rd container | PLT AFR Wash None LUKOPR 3C | 4 |
| PLATELETS | E9610 | Yes | Washed Apheresis PLATELETS | Washed Apheresis PLATELETS|None/XX/20-24C|Irradiated|ResLeu:<5E6 | PLT AFR Wash None IRD LUKOPR | 4 |
| PLATELETS | E9611 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Open|ResLeu:<5E6|Plasma reduced/Saline added|Psoralen-treated | PLT AFR ACD-A>PAS-C OPN LUKOPR PLS Red/SAL Add Psoraln | 4 |
| PLATELETS | E9612 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Open|ResLeu:<5E6|Plasma reduced/Saline added|1st container|Psoralen-treated | PLT AFR ACD-A>PAS-C OPN LUKOPR PLS Red/SAL Add 1C Psoraln | 4 |
| PLATELETS | E9613 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Open|ResLeu:<5E6|Plasma reduced/Saline added|2nd container|Psoralen-treated | PLT AFR ACD-A>PAS-C OPN LUKOPR PLS Red/SAL Add 2C Psoraln | 4 |
| PLATELETS | E9614 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Open|ResLeu:<5E6|Plasma reduced/Saline added|3rd container|Psoralen-treated | PLT AFR ACD-A>PAS-C OPN LUKOPR PLS Red/SAL Add 3C Psoraln | 4 |
| PLATELETS | E9615 | Yes | POOLED PLATELETS | POOLED PLATELETS|CPD/XX/20-24C|ResLeu:<1E6|Buffy coat plts prep|6 units|Psoralen-treated | PLT Pool CPD LUKOPR BUFCT 6U Psoraln | 120 |
| RED BLOOD CELLS | E9616 | Yes | Deglycerolized Apheresis RED BLOOD CELLS | Deglycerolized Apheresis RED BLOOD CELLS|AS3/XX/refg|Open|ResLeu:<5E6 | RBC AFR Deg AS3 OPN LUKOPR | 24 |
| PLATELETS | E9617 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/20-24C|ResLeu:<5E6|<3E11 plts|Bacterial test D5 | PLT AFR ACD-A LUKOPR BacTest D5 | 24 |
| PLATELETS | E9618 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/20-24C|ResLeu:<5E6|<3E11 plts|Bacterial test D6 | PLT AFR ACD-A LUKOPR BacTest D6 | 24 |
| PLATELETS | E9619 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/20-24C|ResLeu:<5E6|<3E11 plts|Bacterial test D7 | PLT AFR ACD-A LUKOPR BacTest D7 | 24 |
| PLATELETS | E9620 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/20-24C|Irradiated|ResLeu:<5E6|<3E11 plts|Bacterial test D5 | PLT AFR ACD-A IRD LUKOPR BacTest D5 | 24 |
| PLATELETS | E9621 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/20-24C|Irradiated|ResLeu:<5E6|<3E11 plts|Bacterial test D6 | PLT AFR ACD-A IRD LUKOPR BacTest D6 | 24 |
| PLATELETS | E9622 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/20-24C|Irradiated|ResLeu:<5E6|<3E11 plts|Bacterial test D7 | PLT AFR ACD-A IRD LUKOPR BacTest D7 | 24 |
| RED BLOOD CELLS | E9623 | No | RED BLOOD CELLS | RED BLOOD CELLS|CPD>SAGM/XX/refg|ResLeu:<5E6 | RBC CPD>SAGM LUKOPR | 1008 |
| RED BLOOD CELLS | E9624 | No | RED BLOOD CELLS | RED BLOOD CELLS|CPD>SAGM/XX/refg|Not for tx or mnf|ResLeu:<5E6 | RBC CPD>SAGM NMT LUKOPR | 1008 |
| RED BLOOD CELLS | E9625 | No | RED BLOOD CELLS | RED BLOOD CELLS|CPD>SAGM/XX/refg|Irradiated|ResLeu:<5E6 | RBC CPD>SAGM IRD LUKOPR | 672 |
| CRYOPRECIPITATE | E9626 | Yes | CRYOPRECIPITATE | CRYOPRECIPITATE|CPD/XX/<=-18C | CRYO CPD | 8760 |
| RED BLOOD CELLS | E9627 | Yes | Deglycerolized RED BLOOD CELLS | Deglycerolized RED BLOOD CELLS|AS3/450mL/refg|Open | RBC Deg AS3 OPN | 24 |
| RED BLOOD CELLS | E9628 | Yes | RED BLOOD CELLS | RED BLOOD CELLS|CPD>AS5/350mL/refg|Buffy coat removed | RBC CPD>AS5 BuF Rem | 1008 |
| PLATELETS | E9629 | No | POOLED PLATELETS | POOLED PLATELETS|PAS-E/XX/20-24C|ResLeu:<1E6|Buffy coat plts prep|6 units|Riboflavin-treated | PLT Pool PAS-E LUKOPR BUFCT 6U Ribo | 120 |
| PLATELETS | E9630 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/20-24C|Irradiated|ResLeu:<5E6|1st container|<3E11 plts|Psoralen-treated | PLT AFR ACD-A IRD LUKOPR 1C Psoraln | 120 |
| PLATELETS | E9631 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/20-24C|Irradiated|ResLeu:<5E6|2nd container|<3E11 plts|Psoralen-treated | PLT AFR ACD-A IRD LUKOPR 2C Psoraln | 120 |
| PLATELETS | E9632 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/20-24C|Irradiated|ResLeu:<5E6|3rd container|<3E11 plts|Psoralen-treated | PLT AFR ACD-A IRD LUKOPR 3C Psoraln | 120 |
| PLATELETS | E9633 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/refg|ResLeu:<5E6|Psoralen-treated | PLT AFR ACD-A LUKOPR Psoraln | 120 |
| PLATELETS | E9634 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/refg|ResLeu:<5E6|1st container|Psoralen-treated | PLT AFR ACD-A LUKOPR 1C Psoraln | 120 |
| PLATELETS | E9635 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/refg|ResLeu:<5E6|2nd container|Psoralen-treated | PLT AFR ACD-A LUKOPR 2C Psoraln | 120 |
| PLATELETS | E9636 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/refg|ResLeu:<5E6|3rd container|Psoralen-treated | PLT AFR ACD-A LUKOPR 3C Psoraln | 120 |
| PLATELETS | E9637 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/refg|ResLeu:<5E6|<3E11 plts|Psoralen-treated | PLT AFR ACD-A LUKOPR Psoraln | 120 |
| PLATELETS | E9638 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/refg|ResLeu:<5E6|<3E11 plts|Psoralen-treated | PLT AFR ACD-A>PAS-C LUKOPR Psoraln | 120 |
| FRESH FROZEN PLASMA | E9639 | Yes | Liquid PLASMA | Liquid PLASMA|CPD/XX/refg|Irradiated|ResLeu:<5E6 | PLASMA Liq CPD IRD LUKOPR | 624 |
| PLATELETS | E9640 | Yes | POOLED PLATELETS | POOLED PLATELETS|CP2D/XX/20-24C|ResLeu:<5E6|Bacterial test D5 | PLT Pool CP2D LUKOPR BacTest D5 | 24 |
| PLATELETS | E9641 | Yes | POOLED PLATELETS | POOLED PLATELETS|CP2D/XX/20-24C|Irradiated|ResLeu:<5E6|Bacterial test D5 | PLT Pool CP2D IRD LUKOPR BacTest D5 | 24 |
| PLATELETS | E9642 | Yes | POOLED PLATELETS | POOLED PLATELETS|CPD/XX/20-24C|ResLeu:<5E6|6 units|Bacterial test D5 | PLT Pool CPD LUKOPR 6U BacTest D5 | 24 |
| PLATELETS | E9643 | Yes | POOLED PLATELETS | POOLED PLATELETS|CPD/XX/20-24C|Irradiated|ResLeu:<5E6|6 units|Bacterial test D5 | PLT Pool CPD IRD LUKOPR 6U BacTest D5 | 24 |
| PLATELETS | E9644 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|ResLeu:<5E6|Bacterial test D5 | PLT AFR ACD-A>PAS-C LUKOPR BacTest D5 | 24 |
| PLATELETS | E9645 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|ResLeu:<5E6|1st container|Bacterial test D5 | PLT AFR ACD-A>PAS-C LUKOPR 1C BacTest D5 | 24 |
| PLATELETS | E9646 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|ResLeu:<5E6|2nd container|Bacterial test D5 | PLT AFR ACD-A>PAS-C LUKOPR 2C BacTest D5 | 24 |
| PLATELETS | E9647 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|ResLeu:<5E6|3rd container|Bacterial test D5 | PLT AFR ACD-A>PAS-C LUKOPR 3C BacTest D5 | 24 |
| PLATELETS | E9648 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Irradiated|ResLeu:<5E6|Bacterial test D5 | PLT AFR ACD-A>PAS-C IRD LUKOPR BacTest D5 | 24 |
| PLATELETS | E9649 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Irradiated|ResLeu:<5E6|1st container|Bacterial test D5 | PLT AFR ACD-A>PAS-C IRD LUKOPR 1C BacTest D5 | 24 |
| PLATELETS | E9650 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Irradiated|ResLeu:<5E6|2nd container|Bacterial test D5 | PLT AFR ACD-A>PAS-C IRD LUKOPR 2C BacTest D5 | 24 |
| PLATELETS | E9651 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Irradiated|ResLeu:<5E6|3rd container|Bacterial test D5 | PLT AFR ACD-A>PAS-C IRD LUKOPR 3C BacTest D5 | 24 |
| PLATELETS | E9652 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|ResLeu:<5E6|<3E11 plts|Bacterial test D5 | PLT AFR ACD-A>PAS-C LUKOPR BacTest D5 | 24 |
| PLATELETS | E9653 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Irradiated|ResLeu:<5E6|<3E11 plts|Bacterial test D5 | PLT AFR ACD-A>PAS-C IRD LUKOPR BacTest D5 | 24 |
| PLATELETS | E9654 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Irradiated|ResLeu:<5E6|1st container|<3E11 plts|Psoralen-treated | PLT AFR ACD-A>PAS-C IRD LUKOPR 1C Psoraln | 120 |
| PLATELETS | E9655 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Irradiated|ResLeu:<5E6|2nd container|<3E11 plts|Psoralen-treated | PLT AFR ACD-A>PAS-C IRD LUKOPR 2C Psoraln | 120 |
| PLATELETS | E9656 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Irradiated|ResLeu:<5E6|3rd container|<3E11 plts|Psoralen-treated | PLT AFR ACD-A>PAS-C IRD LUKOPR 3C Psoraln | 120 |

Table 3: Products set to now allow modification

| **Component** | **Product Code** | **Modifiable** | **Product Type** | **Long Name** | **Short Name** | **Maximum Storage Hours** |
| --- | --- | --- | --- | --- | --- | --- |
| RED BLOOD CELLS | E0482 | Yes | Washed RED BLOOD CELLS | Washed RED BLOOD CELLS|None/500mL/refg|Open | RBC Wash None OPN | 24 |
| RED BLOOD CELLS | E0483 | Yes | Washed RED BLOOD CELLS | Washed RED BLOOD CELLS|None/500mL/refg|Open|Irradiated | RBC Wash None OPN IRD | 24 |
| RED BLOOD CELLS | E0484 | Yes | Washed RED BLOOD CELLS | Washed RED BLOOD CELLS|None/500mL/refg|Open|Irradiated|ResLeu:<5E6 | RBC Wash None OPN IRD LUKOPR | 24 |
| RED BLOOD CELLS | E0485 | Yes | Washed RED BLOOD CELLS | Washed RED BLOOD CELLS|None/500mL/refg|Open|Irradiated|Albumin added | RBC Wash None OPN IRD ALB Add | 24 |
| RED BLOOD CELLS | E0486 | Yes | Washed RED BLOOD CELLS | Washed RED BLOOD CELLS|None/500mL/refg|Open|Irradiated|Plasma added | RBC Wash None OPN IRD PA | 24 |
| RED BLOOD CELLS | E0487 | Yes | Washed RED BLOOD CELLS | Washed RED BLOOD CELLS|None/500mL/refg|Open|ResLeu:<5E6 | RBC Wash None OPN LUKOPR | 24 |
| RED BLOOD CELLS | E0488 | Yes | Washed RED BLOOD CELLS | Washed RED BLOOD CELLS|None/500mL/refg|Open|Albumin added | RBC Wash None OPN ALB Add | 24 |
| RED BLOOD CELLS | E0489 | Yes | Washed RED BLOOD CELLS | Washed RED BLOOD CELLS|None/500mL/refg|Open|Plasma added | RBC Wash None OPN PA | 24 |
| RED BLOOD CELLS | E0537 | Yes | Deglycerolized RED BLOOD CELLS | Deglycerolized RED BLOOD CELLS|None/500mL/refg|Open | RBC Deg None OPN | 24 |
| RED BLOOD CELLS | E0538 | Yes | Deglycerolized RED BLOOD CELLS | Deglycerolized RED BLOOD CELLS|None/500mL/refg|Open|Irradiated | RBC Deg None OPN IRD | 24 |
| RED BLOOD CELLS | E0539 | Yes | Deglycerolized RED BLOOD CELLS | Deglycerolized RED BLOOD CELLS|None/500mL/refg|Open|Irradiated|Albumin added | RBC Deg None OPN IRD ALB Add | 24 |
| RED BLOOD CELLS | E0540 | Yes | Deglycerolized RED BLOOD CELLS | Deglycerolized RED BLOOD CELLS|None/500mL/refg|Open|Irradiated|Plasma added | RBC Deg None OPN IRD PA | 24 |
| RED BLOOD CELLS | E0541 | Yes | Deglycerolized RED BLOOD CELLS | Deglycerolized RED BLOOD CELLS|None/500mL/refg|Open|Albumin added | RBC Deg None OPN ALB Add | 24 |
| RED BLOOD CELLS | E0542 | Yes | Deglycerolized RED BLOOD CELLS | Deglycerolized RED BLOOD CELLS|None/500mL/refg|Open|Plasma added | RBC Deg None OPN PA | 24 |
| RED BLOOD CELLS | E0558 | Yes | Deglycerolized Rejuvenated RED BLOOD CELLS | Deglycerolized Rejuvenated RED BLOOD CELLS|None/500mL/refg|Open | RBC Deg Rej None OPN | 24 |
| RED BLOOD CELLS | E0559 | Yes | Deglycerolized Rejuvenated RED BLOOD CELLS | Deglycerolized Rejuvenated RED BLOOD CELLS|None/500mL/refg|Open|Irradiated | RBC Deg Rej None OPN IRD | 24 |
| RED BLOOD CELLS | E0560 | Yes | Deglycerolized Rejuvenated RED BLOOD CELLS | Deglycerolized Rejuvenated RED BLOOD CELLS|None/500mL/refg|Open|Irradiated|Albumin added | RBC Deg Rej None OPN IRD ALB Add | 24 |
| RED BLOOD CELLS | E0561 | Yes | Deglycerolized Rejuvenated RED BLOOD CELLS | Deglycerolized Rejuvenated RED BLOOD CELLS|None/500mL/refg|Open|Irradiated|Plasma added | RBC Deg Rej None OPN IRD PA | 24 |
| RED BLOOD CELLS | E0562 | Yes | Deglycerolized Rejuvenated RED BLOOD CELLS | Deglycerolized Rejuvenated RED BLOOD CELLS|None/500mL/refg|Open|Albumin added | RBC Deg Rej None OPN ALB Add | 24 |
| RED BLOOD CELLS | E0563 | Yes | Deglycerolized Rejuvenated RED BLOOD CELLS | Deglycerolized Rejuvenated RED BLOOD CELLS|None/500mL/refg|Open|Plasma added | RBC Deg Rej None OPN PA | 24 |
| RED BLOOD CELLS | E0585 | Yes | Rejuvenated RED BLOOD CELLS | Rejuvenated RED BLOOD CELLS|None/500mL/refg | RBC Rej None | 24 |
| RED BLOOD CELLS | E0588 | Yes | Rejuvenated RED BLOOD CELLS | Rejuvenated RED BLOOD CELLS|None/500mL/refg|Open | RBC Rej None OPN | 24 |
| RED BLOOD CELLS | E0589 | Yes | Rejuvenated RED BLOOD CELLS | Rejuvenated RED BLOOD CELLS|None/500mL/refg|Open|Irradiated | RBC Rej None OPN IRD | 24 |
| RED BLOOD CELLS | E0590 | Yes | Rejuvenated RED BLOOD CELLS | Rejuvenated RED BLOOD CELLS|None/500mL/refg|Open|Albumin added | RBC Rej None OPN ALB Add | 24 |
| RED BLOOD CELLS | E0591 | Yes | Rejuvenated RED BLOOD CELLS | Rejuvenated RED BLOOD CELLS|None/500mL/refg|Open|Plasma added | RBC Rej None OPN PA | 24 |
| RED BLOOD CELLS | E0592 | Yes | Rejuvenated RED BLOOD CELLS | Rejuvenated RED BLOOD CELLS|None/500mL/refg|Open|Supernat rem | RBC Rej None OPN SR | 24 |
| RED BLOOD CELLS | E0593 | Yes | Rejuvenated RED BLOOD CELLS | Rejuvenated RED BLOOD CELLS|None/500mL/refg|Open|Supernat rem/Plasma added | RBC Rej None OPN SR/PA | 24 |
| RED BLOOD CELLS | E0594 | Yes | Rejuvenated RED BLOOD CELLS | Rejuvenated RED BLOOD CELLS|None/500mL/refg|Irradiated | RBC Rej None IRD | 24 |
| RED BLOOD CELLS | E0595 | Yes | Rejuvenated RED BLOOD CELLS | Rejuvenated RED BLOOD CELLS|None/500mL/refg|Albumin added | RBC Rej None ALB Add | 24 |
| RED BLOOD CELLS | E0596 | Yes | Rejuvenated RED BLOOD CELLS | Rejuvenated RED BLOOD CELLS|None/500mL/refg|Plasma added | RBC Rej None PA | 24 |
| RED BLOOD CELLS | E0597 | Yes | Rejuvenated RED BLOOD CELLS | Rejuvenated RED BLOOD CELLS|None/500mL/refg|Supernat rem | RBC Rej None SR | 24 |
| RED BLOOD CELLS | E0598 | Yes | Rejuvenated RED BLOOD CELLS | Rejuvenated RED BLOOD CELLS|None/500mL/refg|Supernat rem/Plasma added | RBC Rej None SR/PA | 24 |
| RED BLOOD CELLS | E4200 | Yes | Deglycerolized RED BLOOD CELLS | Deglycerolized RED BLOOD CELLS|None/500mL/refg|Open|ResLeu:<5E6 | RBC Deg None OPN LUKOPR | 24 |
| RED BLOOD CELLS | E4201 | Yes | Deglycerolized RED BLOOD CELLS | Deglycerolized RED BLOOD CELLS|None/500mL/refg|Open|Irradiated|ResLeu:<5E6 | RBC Deg None OPN IRD LUKOPR | 24 |
| RED BLOOD CELLS | E5796 | Yes | Washed RED BLOOD CELLS | Washed RED BLOOD CELLS|None/500mL/refg|Open|Irradiated|ResLeu:<5E6|Albumin added | RBC Wash None OPN IRD LUKOPR ALB Add | 24 |
| RED BLOOD CELLS | E9517 | Yes | Washed RED BLOOD CELLS | Washed RED BLOOD CELLS|None/300mL/refg | RBC Wash None | 24 |
| RED BLOOD CELLS | E9518 | Yes | Washed RED BLOOD CELLS | Washed RED BLOOD CELLS|None/300mL/refg|Irradiated | RBC Wash None IRD | 24 |
| RED BLOOD CELLS | E9519 | Yes | Deglycerolized RED BLOOD CELLS | Deglycerolized RED BLOOD CELLS|None/300mL/refg | RBC Deg None | 336 |

# Appendix A: Place and Sign a VBECS Order (via CPRS GUI)

**Creating a Component Order in CPRS GUI:**

1. Start **CPRS**.
2. Select certificate, enter PIN if required, or enter the **Access Code** and **Verify Codes**. Click **OK**.
3. Select the division where you want the order placed. Click **OK**.
4. Enter **Patient ID**.Click **OK**.
5. Click on the **Orders** tab.Navigate to and select **File 🡪 Update Provider/Location**.Select **Encounter Provider**.Select the **Visit (Patient) Location**. Click **OK**.
6. In the **Write Orders** pane (left side of window), select **Blood Banks (VBECS)**.
7. Select the **Blood Bank Orders** tab from the **Blood Component and Diagnostic Test Order Form** window**.**
8. Enter the following values in the **Blood Component and/or Diagnostic Test Order Form** window:

* **Blood Component**
* **Quantity**
* **Modifier**
* **Date/Time Wanted**
* **Urgency**
* **Surgery (only where Urgency = PRE-OP)**
* **Reason For Request**
* **Comment**

1. Click the **Accept Order** button. Click **OK** on the Patient Chart pop-up message.
2. Right-click on the newly placed order in the **Active Orders** list. Select **Sign** on menu. Enter your **Signature Code** into the **Electronic Signature Code** field. Click **OK**.
3. Click the “**X**’ in the upper-right corner of the **Print Orders** window.
4. Record the **Lab Order #** (number after “LB #” in **Order** column. This is the Lab Order Number used to accession the order.)

**Creating a Diagnostics Tests Order in CPRS GUI:**

1. Navigate to and select **File** 🡪 Select New Patient.
2. Enter the Patient ID.Click **OK**.
3. Navigate to and select **File 🡪 Update Provider/Location.** Select **Encounter Provider**.
4. Select the **Visit (Patient) Location**.Click **OK**.
5. Click the **Orders** tab.
6. In the **Write Orders** pane (left side of window), select **Blood Banks (VBECS)**.
7. Select the **Blood Bank Orders** tab.
8. Enter the following values in the **Blood Component and Diagnostic Test Order Form** window:

* **Diagnostic Test**
* **Urgency**
* **Surgery (only where Urgency = PRE-OP)**
* **Reason For Request**
* **Comment**

1. Click the **Accept Order** button.
2. Right-click on the newly placed order in the **Active Orders** list. Select **Sign** on menu. Enter your **Signature Code** into the **Electronic Signature Code** field. Click **OK**.
3. Click the “**X**’ in the upper-right corner of the **Print Orders** window.
4. Record the **Lab Order #** (number after “LB #” in **Order** column. This is the Lab Order Number used to accession the order.)

**Accession a VBECS Order (via VistA)**

1. Open the VistA session of the test server.
2. Enter Access and Verify codes.
3. Enter the division where the order was placed.
4. System Manager Menu Option: **LAB** Laboratory DHCP Menu.
5. Select Laboratory DHCP Menu Option: **ACC** Accessioning menu .
6. Select Accessioning menu Option**: Accessioning tests ordered by ward order entry**
7. Select Order number: **Lab Order #**
8. Is this the correct order? Yes// **YES**
9. Collection Date@Time: //**Now**
10. Print labels on: LABLABEL// **home** IRM

Specimen UID generated from accepting the order in Lab

ACCESSION: BB 0304 32 <2940630032>

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