

VistA Blood Establishment Computer Software (VBECS) 2.3.4

Release Notes Version 3.0

Department of Veterans Affairs

Enterprise Project Management Office

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# Introduction

*VistA Blood Establishment Computer Software (VBECS) 2.3.4 Release Notes* contains information for changes and corrections made to VBECS in the 2.3.4 Rev A 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 code patch release is focused around providing solutions to customer reported issues and enhancements. The VBECS 2.3.4 scope involves satisfying regulatory requirements, addressing New Service Requests (NSRs) and fixing software defects:

Incoming Shipment

* Added a comment that can be specified for each blood unit during Incoming Shipment that is visible throughout VBECS
* Added visual inspection indicator to Unit History Report
* Added support for Special Testing barcode scanning
* Added support for 2-d barcode scanning
* Added the ability to modify blood unit volume

Outgoing Shipment

* Added a blood unit comment that is visible on the Unit History Report and Invoice
* Added visual inspection indicator to the Unit History Report

Return Issued Units

* Added a return comment that is visible on the Unit History Report and Issued/Returned Report

Maintain Blood Products

* Added ability for supervisors to modify maximum storage time for blood products

Accept Orders

* Added Patient Historical Check requirement upon acceptance of orders into VBECS

Maintain Reagent Inventory

* Added a comment to the Log-In Reagents option that is visible on the Reagent Inventory Report

Issue Blood Components

* c Neg only units or e Neg only units will satisfy the requirement for Anti-f

TRW

* Updated the list of TRW reaction types that are specified when TRW is finalized

Blood products

* Blood product updates in ICCBBA releases 7.57.1 through 7.61.1

Fixed known requests and defects in the following options

* Incoming Shipment
* Outgoing Shipment
* Return Issued Units
* Accept Orders
* Maintain Reagent Inventory
* Maintain Specimen
* Edit Unit Processing Information
* Report Testing Worklist
* Release Unit from Patient Assignment
* ABO/Rh Confirmation
* Unit History Report
* Configure Printers
* Online help
* System alerts
* Blood products

**Table 1: Updates by Option** provides a complete list of included changes. For a full list of new product codes see **Table 2: New Blood Products**.

## Untestable System-Level Maintenance Changes with User Actions

* Review and cleanup of membership in VBECS user and supervisor Active Directory groups. Task 141191

## Untestable System-Level Maintenance Changes

* Changed SQL database compatibility from 110 to 130. 111301

## VistA Software Dependencies

* VBEC\*2\*12 information patch only.

## VBECS User Documents

The following is a list of all the VBECS user documents that apply to the VBECS 2.3.4 Rev A patch release. The **Updated** column identifies the documents that have been updated with this VBECS 2.3.4 Rev A patch release.

These user documents are available from the VBECS SharePoint site at REDACTED.

|  |  |  |
| --- | --- | --- |
| **User Document** | **Version** | **Updated** |
| *VBECS 2.3.4 User Guide* | 1.0 | Yes |
| *VBECS 2.3.4 Admin User Guide* | 1.0 | Yes |
| *VBECS 2.3.4 Known Defects and Anomalies* | 1.0 | Yes |
| *VBECS 2.3.4 Technical Manual-Security Guide* | 1.0 | Yes |
| *VBECS - Echo Interface Configuration and Setup Guide* | 6.0 | Yes |
| *VBECS - Erytra Interface Configuration and Setup Guide* | 3.0 | Yes |
| *VBECS - ProVue Interface Configuration and Setup Guide* | 6.0 | Yes |
| *VBECS - Vision Interface Configuration and Setup Guide* | 5.0 | Yes |
| *VBECS Product Information* | 9.0 | Yes |

The following is a list of all the VBECS FAQ documents that apply to the VBECS 2.3.4 Rev A patch release. The **Updated** column identifies the documents that have been updated with this VBECS 2.3.4 Rev A patch release.

These FAQ documents are available from the VA SharePoint site at REDACTED.

|  |  |  |
| --- | --- | --- |
| **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* | 2/21/23 | Yes |
| *FAQ CAP Comprehensive Transfusions Medicine Crossmatch Survey* | 11/22/16 | No |
| *FAQ Compound Antibodies* | RETIRED | N/A |
| *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* | 09/03/21 | No |
| *FAQ Local Facilities* | 06/12/20 | No |
| *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* | 09/14/21 | 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 |
| *FAQ Workload Assignments Single vs Batch Processing* | 07/01/20 | No |

# Customer Support

Contact your **Local/Regional** 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).

**image001Please ensure local/regional VistA Support contact information is available at all times.**

**If you experience an 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 Affected Service be set as VBECS (VistA - Blood Establishment Computer Software)

**Service Desk Contact**

Call the Service Desk REDACTED.

For troubleshooting error messages in VBECS that read similar to Contact Your System Administrator, contact the Service Desk.

## References

* *ISBT 128 Standard Technical Specification v 6.1.0*
* *ISBT 128 Standard Terminology for Medical Products of Human Origin, v 7.61*

## VBECS SharePoint Site

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

REDACTED

# Installation Qualification (IQ) Documentation

|  |  |
| --- | --- |
| **Test Account Upgrade to VBECS 2.3.4 Revision A** | |
| Required Patch Installation | VistA Patch: None  Server Patch: VBECS 2.3.4 Revision A |
| Installation Process for VBECS 2.3.4 Rev A | Installed by the BBM team. A small number of sites will be installed each day over several days. |
| Expected Downtime | Patch installation is expected to take several hours but may take up to 24 hours. |
| Installation Communication for VBECS 2.3.4 Rev A | The BBM Team will communicate the date of patch installation. The status of migration will be communicated directly to the affected users. |
| Site Responsibility | * Join VBECS-L message board on ListServ, if needed REDACTED.. * 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”. * Perform local validation, training, and set-up requirements prior to Production installation. |
| 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 2.3.4 Revision A** | |
| Required Patch Installation | VistA Patch: None  Server Patch: VBECS 2.3.4 Revision A |
| Installation Process for VBECS 2.3.4 Rev A | Installed by the BBM team. Each site will schedule a date for installation. The BBM team will contact sites for installation date/time when the production installation window begins. |
| Expected Downtime | Patch installation is expected to take several hours but may take up to 24 hours. The site will follow downtime procedures until installation completes. |
| Installation Communication for VBECS 2.3.4 Rev A | The status of production installs will be provided on the VBECS SharePoint site. |
| Site Responsibility | * Perform local validation, training, and set-up requirements prior to Production installation. * Join VBECS-L message board on ListServ, if needed REDACTED.. * 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

| 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)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **New functionalities (validation required)** | | | | | | | | | | |
| 1 | Finalize TRW 87074 | Update the list of reaction types used for finalizing TRW | The list of reaction types for TRW was updated | Finalize TRW and verify that the list of selectable reaction types was updated to match the nationally recognized classification for transfusion reaction types. |  |  |  |  |  |
| 2 | Incoming Shipment / Edit Unit Information / Audit Trail /Unit History Report 70852 | Add ability to enter comment for a blood unit in Incoming Shipment. | Added ability to enter comment for a blood unit during Incoming Shipment.  Added ability to edit comment for a blood unit in Edit Unit Information.  Blood Unit comment changes are shown on the Audit Trail Report and Unit History Report. | Enter a new blood unit into VBECS and enter a comment to be associated with this blood unit. Verify that the comment shows on Blood Unit History Report and in various blood unit screens throughout VBECS (e.g. unit selection or unit issue).  Modify the comment in Edit Unit Information. Verify that the change to the comment shows in Blood Unit History Report and on Audit Trail. |  |  |  |  |  |
| 3 | Unit History Report / Incoming Shipment 56591 | Add Visual Inspection indicator from Incoming Shipment to Unit History Report. | Visual Inspection indicator from Incoming Shipment was added to Unit History Report – Incoming Shipment section. | Enter a new blood unit into VBECS. Go to Unit History Report and verify that Incoming Shipment section shows that the blood unit was visually inspected and found satisfactory. |  |  |  |  |  |
| 4 | Incoming Shipment 56489  78622 | Allow changes to default blood product volume during Incoming Shipment. | Users may now change the default blood product volume when entering a new blood unit into VBECS. | Enter a new blood unit into VBECS and modify its default volume. Verify that the modified volume shows on the Blood Unit History Report instead of the default volume. |  |  |  |  |  |
| 5 | Incoming Shipment / Edit Unit Information 71357 | Allow scanning of Special Testing Barcode in Incoming Shipment. | Users may now scan Special Testing Barcode in Incoming Shipment and when editing blood unit record in Edit Unit Information. | Enter a new blood unit into VBECS and scan a special testing barcode for it (e.g. CMV Neg barcode). Verify that the blood unit has an appropriate special testing associated with it (e.g. unit is marked as CMV Neg).  Try the similar scenario under Edit Unit Information (e.g. scan CMV Neg barcode for non-CMV Neg unit and verify that it was marked as CMV Neg). |  |  |  |  |  |
| 6 | Incoming Shipment 86822 | Allow scanning of 2-D Barcode in Incoming Shipment. | Users may now scan 2-D Barcode in Incoming Shipment. | Only validate if you have blood unit labels that contain 2-D barcodes.  Try to enter a new blood unit into VBECS by scanning 2-D barcode from its label. Verify that the unit information on the screen after scanning matches the information on the label. |  |  |  |  |  |
| 7 | Outgoing Shipment / Unit History Report / Outgoing Shipment Invoice 68281 | Add ability to enter comment for a blood unit in Outgoing Shipment. | Added ability to enter comment for a blood unit during Outgoing Shipment.  The comment shows on the Outgoing Shipment Invoice and Unit History Report. | Transfer blood unit out of VBECS. When processing outgoing shipment enter a comment for this blood unit. Confirm the shipment. Verify that the comment shows on an Outgoing Shipment Invoice and Unit History Report in the Outgoing Shipment section. |  |  |  |  |  |
| 8 | Outgoing Shipment / Unit History Report 70877 | Add ability to mark transferred units as visually inspected. | Added ability to mark blood units as visually inspected during Outgoing Shipment.  The visual inspection shows on Unit History Report. | Transfer blood unit out of VBECS. Verify that when adding blood unit to the outgoing shipment user is asked a question whether blood unit was visually inspected. Confirm the shipment. Verify that the visual inspection shows in the Outgoing Shipment section of Unit History Report. |  |  |  |  |  |
| 9 | Blood Products 109809 | Allow modification of Maximum Storage Time for blood products. | Supervisory level users may now modify the default Maximum Storage Time for blood products. Changes are captured on the Audit Trail Report. | Only supervisors (level 4 and above) have ability to modify Maximum Storage Time (MST). Modify MST for any blood product (Tools -> Blood Products). Choose a product code that your site has wanted to modify the maximum storage time or a product with a relatively short outdate such as E3057 (5-day platelet). Log in product and try to extend expiration date. VBECS will not allow it. Change MST to a longer time. Log in product again with same extended expiration as before, VBECS will allow new expiration date. Verify that the change shows on Audit Trail Report. For validation purposes use product codes that are not currently assigned to patients so ongoing transfusions are not affected. |  |  |  |  |  |
| 10 | New Blood Products 111452 | Update blood product table with new ICCBBA blood product codes from version 7.57.1 through 7.61.1. | New blood products were added to VBECS.  For a full list of new product codes see  Table 2.  The list of all possible non-pooled modifications for new blood products can be found on the VBECS SharePoint Site. | Validate only blood products that you may receive from your supplier. Use Tools, Blood Products to associate the blood products with an active facility. |  |  |  |  |  |
| 11 | Accept Orders / Single Order History Report / Patient History Report 68749 | Add a message when accepting an order reminding user about the requirement to perform patient historical check | When accepting a new order users will be asked to confirm that the historical patient check was performed.  The check is optional for orders that are marked as emergency issue. | Accept any new order. Verify that VBECS asks whether the patient historical check was performed. Click Yes to continue. Verify that the historical check shows on the Single Order History Report for this order. For orders associated with specimen (e.g. TAS) verify that the historical check also shows on the Specimen section of Patient History Report. |  |  |  |  |  |
| 12 | Return Issued Units / Unit History Report / Issued Returned Report 89535 | Add ability to specify comment for units returned from issue. | User may now add custom comment to blood units returned from issue. The comment shows on Issue section of Unit History Report and on the Issued Returned Report. | Issue any blood unit and then attempt to return it back to blood bank. When returning specify a comment and save. Verify that the comment entered during return from issue shows on the Issue section of Unit History Report and on the Issued Returned report. |  |  |  |  |  |
| 13 | Log In Reagents / Reagent Inventory Report 87075 | Add ability to specify comment for any reagent. | User may now add custom comment to reagents. Comments show on the Reagent Inventory Report. | Enter any new reagent into the system and specify a comment for it. Save and verify that comment shows on the Reagent Inventory Report. |  |  |  |  |  |
| 14 | Issue Blood Components / Select Blood Units 76787 | Known defects and anomalies. | Anti-f antibody on patient no longer requires c Neg and e Neg units, only one of those negative antigen tests will be enough to satisfy Anti-f requirement. | Only validate if you have patients with Anti-f. Try to issue blood unit for a patient with Anti-f. Verify that c Neg or e Neg only blood satisfies this transfusion requirement. |  |  |  |  |  |
| **System Configuration Changes (action required)** | | | | | | | | | | |
| 15 | Active Directory Group Task 141191 | Review Active Directory groups for VBECS. | Identify members of Active Directory groups who should no longer have access to VBECS. | Click on the following link:  REDACTED.  Execute the instructions on the website to perform a review of VBECS Active Directory groups for your blood bank and notify BBM team about any changes needed. |  |  |  |  |  |
| **Defect fixes and other miscellaneous changes (validation NOT required)** | | | | | | | | | | |
| 16 | Incoming Shipment 63469  64752  64863  65000  65078  70236  70654  70680  70875  110649 | Known defects and anomalies. | * Save button will be disabled when expiration date is blank. * Future times are no longer allowed on the invoice date/time. * Application will no longer crash if user attempts to log a new unit for inactive product shipper. * Saving a unit with no ABO/Rh is no longer possible. * Application will no longer crash if user selects a blank row in the Shipper combo box. * Added lock for transferred units that are being shipped back to VBECS so that another user may not process the same record in Remove Final Status. * Special Testing controls will now be properly re-enabled when entering new blood units after the user shipped a transferred unit back into VBECS. * Future dates are no longer allowed for Received Date. * Updated wording of the message that shows when user is trying to select a blood product that is not in VBECS to make it easier to understand. * Field labels and enablement issues have been corrected. | Validation Not Required |  |  |  |  |  |
| 17 | Incoming Shipment / Outgoing Shipment 111362 | Known defects and anomalies. | * Updated cost fields to allow up to $9,999.99 | Validation Not Required |  |  |  |  |  |
| 18 | Incoming Shipment / Modify Units 111771 | Known defects and anomalies. | * Fixed the expiration date control to allow users to specify expiration time of 00:00. | Validation Not Required |  |  |  |  |  |
| 19 | Outgoing Shipment 63840  64558  65342  70237  111217  111257  111361 | Known defects and anomalies. | * Corrected the display of expiration date/time to include time portion. * Added missing blood unit testing information to the Outgoing Shipment Invoice. * Application will no longer crash when user attempts to edit return credit multiple times.   Editing an invoice is now done via a new button located on the right side of the screen.   * Added missing record locks for blood units added to the outgoing shipment invoice to prevent them from being modified by other users. * Corrected error messages for blood units that are locked by other users and may not be used. * Fixed the logic that controls switching between Review Confirmed Shipments and Review Open Shipments * Added product code to blood unit information for the Outgoing Shipment Invoice | Validation Not Required |  |  |  |  |  |
| 20 | Edit Unit Information 64169  64961  64965  65284  65288 | Known defects and anomalies. | * Added check for presence of crossmatch tests before allowing user to inactivate blood unit. * OK button will no longer enable if there was no change to the blood unit information. * Disabled Discarded Plasma Volume field will no longer be editable. * OK button will no longer enable for volume reduced blood units when no changes were made. * Changes to unit antigens will be discarded when reloading unit information. | Validation Not Required |  |  |  |  |  |
| 21 | Accept Orders / Pending Orders List 63954  64591  64722  64738  70377 | Known defects and anomalies. | * Fixed sort order for orders on the Pending Order List. * Application will no longer crash when entering non-standard information in patient search field. * Restricted or Assigned units button will be enabled for patients with restricted or assigned blood units. * Ordering division name will now be fully displayed. * Application will no longer crash when rejecting an order if the user selects canned comment that was duplicated. | Validation Not Required |  |  |  |  |  |
| 22 | Patient Testing / Pending Task List 65083 | Known defects and anomalies. | * Expired order override will be triggered based on the order acceptance date and not order received date. | Validation Not Required |  |  |  |  |  |
| 23 | Release Units from Patient Assignment 64592  70206  70659 | Known defects and anomalies. | * Application will no longer allow entering empty comment which caused the system crash. * Added check during a blood unit release to verify if the unit status has changed to prevent users from releasing an issued unit. * Fixed the behavior of patient search functionality to allow up to 30 characters for patient name and allow searching on partial name. | Validation Not Required |  |  |  |  |  |
| 24 | Return Issued Units 69144  70716 | Known defects and anomalies. | * Users will no longer be able to specify return date prior to blood unit issue date when returning a unit from issue * Exceptions generated when returning a blood unit from issue will be mutually exclusive for satisfactory and unsatisfactory returns (only one override will be required for each case). | Validation Not Required |  |  |  |  |  |
| 25 | Audit Trail Report 63688 | Known defects and anomalies. | * Fixed the display of blood product code on the report to show a full product code. | Validation Not Required |  |  |  |  |  |
| 26 | Testing Worklist Report 64271  64223 | Known defects and anomalies. | * Reverse ABO typing cells will now be included on the Daily Rack QC section of Testing Worklist Report. * Lot numbers will no longer be hidden when repeated in neighboring rows on the report. | Validation Not Required |  |  |  |  |  |
| 27 | ABO/Rh Confirmation 70543 | Known defects and anomalies. | * Racks that were QCd will no longer show as not QCd when performing retrospective ABO/Rh confirmation. | Validation Not Required |  |  |  |  |  |
| 28 | Log In Reagents / Reagent Inventory Report 63738  69148 | Known defects and anomalies. | * Reagent comments will now be correctly displayed when selecting reagents from the list on Log In Reagents screen. * Reagent comments are now visible on the Reagent Inventory Report. | Validation Not Required |  |  |  |  |  |
| 29 | Patient Select Tool 70751 | Known defects and anomalies. | * Fixed tooltips on Patient Select screen. | Validation Not Required |  |  |  |  |  |
| 30 | Unit Search Utility 70765 | Known defects and anomalies. | * Blood Unit Search screen will no longer display duplicate antigen information. | Validation Not Required |  |  |  |  |  |
| 31 | Maintain Specimen 64624 | Known defects and anomalies. | * Extending specimen will no longer generate exception when patient has a history of transfusion more than 3 months in the past. | Validation Not Required |  |  |  |  |  |
| 32 | Blood Unit History Report 70866 | Known defects and anomalies. | * Fixed an emergency issue indicator for units returned from issue and issued again. | Validation Not Required |  |  |  |  |  |
| 33 | Canned Comments 111743  115344 | Known defects and anomalies. | * Fixed sort order for Canned Comment Categories. * Corrected name of Canned Comment Category. | Validation Not Required |  |  |  |  |  |
| 34 | VBECS Admin 70811  60121  76743  86447  86717 | Known defects and anomalies. | * Added new messages asking user to check the print order alerts settings after removing or defining a new printer. * Fixed the logic that is responsible for detecting changes made on the Edit Division screen. * Added warning about unsaved data changes when defining a new printer. * Made printer names case insensitive and removed extra spaces from printer name when defining a new printer. * Added text to Edit Printer menu to notify users that this functionality is not used to configure label printers. | Validation Not Required |  |  |  |  |  |
| 35 | CPRS 70738 | Known defects and anomalies. | * Cancelling a pending order in CPRS will no longer generate email alerts. | Validation Not Required |  |  |  |  |  |
| 36 | VBECS Help 107610 | Known defects and anomalies. | * Removed user guide/help viewing ability from VBECS and replaced it with a message that points to the online user guide. | Validation Not Required |  |  |  |  |  |
| 37 | Blood Products 70784  71817  71826  84993  87373  88506  107021  88580  69246  107973  108001  109540 | Known defects and anomalies. | * Added (V00250\_\_) to Target Attribute for Pool (P) and ThawPool (U) to allow more modification targets that contain the attribute. Added logic to handle multiple optional Target Attribute Values for Pool/ThawPool. * Added (V00200\_\_) to Target Attribute for Pool (P) and ThawPool (U) to allow more modification targets that contain the attribute. Added logic to handle multiple optional Target Attribute Values for Pool/ThawPool. * Modified logic that handles “IsFrozen” indicator on blood products. * Allow Wash modification to modify to the same anticoagulant. * Disallowed pooling of frozen products. * Changed the Expiration Hours of E025 and E069 product types from 4 to 336 for Thaw modifications. * Updated E076, E078 and E079 product types to have Frozen attribute set (products of those types will be considered frozen). (NOTE: First 8 work item bullets summarized in next bullet.) * Allowed modifications for certain products codes that were not possible before. * Allowed Closed Modification for Wash and Allowed SCD Modification for Wash. * Updated Deglycerolize to allow for Closed modification. * New product types, core conditions, additives - updates for AABB Standards 33rd edition. Changed the Expiration of certain product codes to reflect changes specified in the AABB Standards 33rd edition. * Updated some Thawed Pooled Plasma (E055) products to 5 day expirations (refer to VBECS SharePoint Site for details). | Validation Not Required |  |  |  |  |  |

# Table 2: New Blood Products

| **Component** | **Product Code** | **Modifiable** | **Product Type** | **Long Name** | **Short Name** | **Maximum Storage Hours** |
| --- | --- | --- | --- | --- | --- | --- |
| FRESH FROZEN PLASMA | EA715 | Yes | Apheresis FRESH FROZEN PLASMA | Apheresis FRESH FROZEN PLASMA|ACD-A/XX/<=-65C|1st container|Psoralen-treated | FFP AFR ACD-A 1C Psoraln | 61320 |
| FRESH FROZEN PLASMA | EA716 | Yes | Apheresis FRESH FROZEN PLASMA | Apheresis FRESH FROZEN PLASMA|ACD-A/XX/<=-65C|2nd container|Psoralen-treated | FFP AFR ACD-A 2C Psoraln | 61320 |
| FRESH FROZEN PLASMA | EA717 | Yes | Apheresis FRESH FROZEN PLASMA | Apheresis FRESH FROZEN PLASMA|ACD-A/XX/<=-65C|3rd container|Psoralen-treated | FFP AFR ACD-A 3C Psoraln | 61320 |
| FRESH FROZEN PLASMA | EA718 | Yes | Thawed Apheresis FRESH FROZEN PLASMA | Thawed Apheresis FRESH FROZEN PLASMA|ACD-A/XX/refg|1st container|Psoralen-treated | FFP AFR Thaw ACD-A 1C Psoraln | 24 |
| FRESH FROZEN PLASMA | EA719 | Yes | Thawed Apheresis FRESH FROZEN PLASMA | Thawed Apheresis FRESH FROZEN PLASMA|ACD-A/XX/refg|2nd container|Psoralen-treated | FFP AFR Thaw ACD-A 2C Psoraln | 24 |
| FRESH FROZEN PLASMA | EA720 | Yes | Thawed Apheresis FRESH FROZEN PLASMA | Thawed Apheresis FRESH FROZEN PLASMA|ACD-A/XX/refg|3rd container|Psoralen-treated | FFP AFR Thaw ACD-A 3C Psoraln | 24 |
| RED BLOOD CELLS | EA721 | Yes | RED BLOOD CELLS | RED BLOOD CELLS|CP2D>AS3/XX/refg|Open|Irradiated|ResLeu:<5E6|LowVol:anticoag not adj | RBC CP2D>AS3 OPN IRD LUKOPR LowVol | 24 |
| PLATELETS | EA722 | No | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-E/XX/20-24C|ResLeu:<5E6|1st container|Psoralen-treated | PLT AFR ACD-A>PAS-E LUKOPR 1C Psoraln | 120 |
| PLATELETS | EA723 | No | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-E/XX/20-24C|ResLeu:<5E6|2nd container|Psoralen-treated | PLT AFR ACD-A>PAS-E LUKOPR 2C Psoraln | 120 |
| WHOLE BLOOD | EA724 | No | WHOLE BLOOD | WHOLE BLOOD|CPD/450mL/refg|Not for tx or mnf|Irradiated | WB CPD NMT IRD | 504 |
| PLATELETS | EA725 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-20C|For mnf:noninjectable|ResLeu:<5E6|3rd container|Psoralen-treated | PLT AFR Froz ACD-A MNFNI LUKOPR 3C Psoraln | 8760 |
| FRESH FROZEN PLASMA | EA726 | Yes | Thawed Apheresis FRESH FROZEN PLASMA | Thawed Apheresis FRESH FROZEN PLASMA|ACD-A/XX/refg|Psoralen-treated | FFP AFR Thaw ACD-A Psoraln | 24 |
| RED BLOOD CELLS | EA727 | No | RED BLOOD CELLS | RED BLOOD CELLS|PAGGS-M/450mL/refg|Irradiated|ResLeu:<1E6|O2/CO2 reduced | RBC PAGGS-M IRD LUKOPR O2/CO2 Red | 672 |
| FRESH FROZEN PLASMA | EA728 | Yes | Thawed FRESH FROZEN PLASMA | Thawed FRESH FROZEN PLASMA|CPD/XX/refg|Riboflavin-treated | FFP Thaw CPD Ribo | 24 |
| FRESH FROZEN PLASMA | EA729 | Yes | Thawed PLASMA | Thawed PLASMA|CPD/XX/refg|Riboflavin-treated | PLASMA Thaw CPD Ribo | 120 |
| FRESH FROZEN PLASMA | EA730 | Yes | Thawed Apheresis PLASMA | Thawed Apheresis PLASMA|ACD-A/XX/refg|1st container|Riboflavin-treated | PLASMA AFR Thaw ACD-A 1C Ribo | 120 |
| FRESH FROZEN PLASMA | EA731 | Yes | Thawed Apheresis PLASMA | Thawed Apheresis PLASMA|ACD-A/XX/refg|2nd container|Riboflavin-treated | PLASMA AFR Thaw ACD-A 2C Ribo | 120 |
| FRESH FROZEN PLASMA | EA732 | Yes | Thawed Apheresis PLASMA | Thawed Apheresis PLASMA|ACD-A/XX/refg|3rd container|Riboflavin-treated | PLASMA AFR Thaw ACD-A 3C Ribo | 120 |
| PLATELETS | EA733 | No | Apheresis PLATELETS | Apheresis PLATELETS|PAS-E/XX/20-24C|Open|ResLeu:<1E6|Supernat rem/Plasma added | PLT AFR PAS-E OPN LUKOPR SR/PA | 4 |
| CRYOPRECIPITATE | EA734 | No | Apheresis POOLED CRYOPRECIPITATE | Apheresis POOLED CRYOPRECIPITATE|ACD-A/XX/<=-25C|ResLeu:<1E6|Quar:>=62d/retested | CRYO AFR Pool ACD-A LUKOPR QUAR | 8760 |
| CRYOPRECIPITATE | EA735 | No | Apheresis CRYOPRECIPITATE | Apheresis CRYOPRECIPITATE|ACD-A/XX/<=-25C|ResLeu:<1E6|Quar:>=62d/retested | CRYO AFR ACD-A LUKOPR QUAR | 8760 |
| FRESH FROZEN PLASMA | EA736 | No | Apheresis PLASMA | Apheresis PLASMA|ACD-A/XX/<=-25C|ResLeu:<1E6|Cryo reduced|Quar:>=62d/retested | PLASMA AFR ACD-A LUKOPR CRYORed QUAR | 8760 |
| PLATELETS | EA737 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable | PLT AFR Froz ACD-A MNFI | 8760 |
| PLATELETS | EA738 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|1st container | PLT AFR Froz ACD-A MNFI 1C | 8760 |
| PLATELETS | EA739 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|2nd container | PLT AFR Froz ACD-A MNFI 2C | 8760 |
| PLATELETS | EA740 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|3rd container | PLT AFR Froz ACD-A MNFI 3C | 8760 |
| PLATELETS | EA741 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|ResLeu:<5E6|Psoralen-treated | PLT AFR Froz ACD-A MNFI LUKOPR Psoraln | 8760 |
| PLATELETS | EA742 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|ResLeu:<5E6|1st container|Psoralen-treated | PLT AFR Froz ACD-A MNFI LUKOPR 1C Psoraln | 8760 |
| PLATELETS | EA743 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|ResLeu:<5E6|2nd container|Psoralen-treated | PLT AFR Froz ACD-A MNFI LUKOPR 2C Psoraln | 8760 |
| PLATELETS | EA744 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|ResLeu:<5E6|3rd container|Psoralen-treated | PLT AFR Froz ACD-A MNFI LUKOPR 3C Psoraln | 8760 |
| PLATELETS | EA745 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|<3E11 plts | PLT AFR Froz ACD-A MNFI | 8760 |
| PLATELETS | EA746 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|ResLeu:<5E6|<3E11 plts|Psoralen-treated | PLT AFR Froz ACD-A MNFI LUKOPR Psoraln | 8760 |
| PLATELETS | EA747 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|ResLeu:<5E6|1st container|<3E11 plts|Psoralen-treated | PLT AFR Froz ACD-A MNFI LUKOPR 1C Psoraln | 8760 |
| PLATELETS | EA748 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|ResLeu:<5E6|2nd container|<3E11 plts|Psoralen-treated | PLT AFR Froz ACD-A MNFI LUKOPR 2C Psoraln | 8760 |
| PLATELETS | EA749 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|ResLeu:<5E6|3rd container|<3E11 plts|Psoralen-treated | PLT AFR Froz ACD-A MNFI LUKOPR 3C Psoraln | 8760 |
| PLATELETS | EA750 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|Irradiated | PLT AFR Froz ACD-A MNFI IRD | 8760 |
| PLATELETS | EA751 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|Irradiated|1st container | PLT AFR Froz ACD-A MNFI IRD 1C | 8760 |
| PLATELETS | EA752 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|Irradiated|2nd container | PLT AFR Froz ACD-A MNFI IRD 2C | 8760 |
| PLATELETS | EA753 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|Irradiated|3rd container | PLT AFR Froz ACD-A MNFI IRD 3C | 8760 |
| PLATELETS | EA754 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|Irradiated|ResLeu:<5E6|Psoralen-treated | PLT AFR Froz ACD-A MNFI IRD LUKOPR Psoraln | 8760 |
| PLATELETS | EA755 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|Irradiated|ResLeu:<5E6|1st container|Psoralen-treated | PLT AFR Froz ACD-A MNFI IRD LUKOPR 1C Psoraln | 8760 |
| PLATELETS | EA756 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|Irradiated|ResLeu:<5E6|2nd container|Psoralen-treated | PLT AFR Froz ACD-A MNFI IRD LUKOPR 2C Psoraln | 8760 |
| PLATELETS | EA757 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|Irradiated|ResLeu:<5E6|3rd container|Psoralen-treated | PLT AFR Froz ACD-A MNFI IRD LUKOPR 3C Psoraln | 8760 |
| PLATELETS | EA758 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|Irradiated|<3E11 plts | PLT AFR Froz ACD-A MNFI IRD | 8760 |
| PLATELETS | EA759 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|Irradiated|ResLeu:<5E6|<3E11 plts|Psoralen-treated | PLT AFR Froz ACD-A MNFI IRD LUKOPR Psoraln | 8760 |
| PLATELETS | EA760 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|Irradiated|ResLeu:<5E6|1st container|<3E11 plts|Psoralen-treated | PLT AFR Froz ACD-A MNFI IRD LUKOPR 1C Psoraln | 8760 |
| PLATELETS | EA761 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|Irradiated|ResLeu:<5E6|2nd container|<3E11 plts|Psoralen-treated | PLT AFR Froz ACD-A MNFI IRD LUKOPR 2C Psoraln | 8760 |
| PLATELETS | EA762 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|Irradiated|ResLeu:<5E6|3rd container|<3E11 plts|Psoralen-treated | PLT AFR Froz ACD-A MNFI IRD LUKOPR 3C Psoraln | 8760 |
| PLATELETS | EA763 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A>PAS-F/XX/<=-80C|For mnf:injectable|ResLeu:<5E6 | PLT AFR Froz ACD-A>PAS-F MNFI LUKOPR | 8760 |
| PLATELETS | EA764 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A>PAS-F/XX/<=-80C|For mnf:injectable|ResLeu:<5E6|1st container | PLT AFR Froz ACD-A>PAS-F MNFI LUKOPR 1C | 8760 |
| PLATELETS | EA765 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A>PAS-F/XX/<=-80C|For mnf:injectable|ResLeu:<5E6|2nd container | PLT AFR Froz ACD-A>PAS-F MNFI LUKOPR 2C | 8760 |
| PLATELETS | EA766 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A>PAS-F/XX/<=-80C|For mnf:injectable|ResLeu:<5E6|3rd container | PLT AFR Froz ACD-A>PAS-F MNFI LUKOPR 3C | 8760 |
| PLATELETS | EA767 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A>PAS-F/XX/<=-80C|For mnf:injectable|Irradiated|ResLeu:<5E6 | PLT AFR Froz ACD-A>PAS-F MNFI IRD LUKOPR | 8760 |
| PLATELETS | EA768 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A>PAS-F/XX/<=-80C|For mnf:injectable|Irradiated|ResLeu:<5E6|1st container | PLT AFR Froz ACD-A>PAS-F MNFI IRD LUKOPR 1C | 8760 |
| PLATELETS | EA769 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A>PAS-F/XX/<=-80C|For mnf:injectable|Irradiated|ResLeu:<5E6|2nd container | PLT AFR Froz ACD-A>PAS-F MNFI IRD LUKOPR 2C | 8760 |
| PLATELETS | EA770 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A>PAS-F/XX/<=-80C|For mnf:injectable|Irradiated|ResLeu:<5E6|3rd container | PLT AFR Froz ACD-A>PAS-F MNFI IRD LUKOPR 3C | 8760 |
| PLATELETS | EA771 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A>PAS-F/XX/<=-80C|For mnf:injectable|ResLeu:<5E6|<3E11 plts | PLT AFR Froz ACD-A>PAS-F MNFI LUKOPR | 8760 |
| PLATELETS | EA772 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A>PAS-F/XX/<=-80C|For mnf:injectable|Irradiated|ResLeu:<5E6|<3E11 plts | PLT AFR Froz ACD-A>PAS-F MNFI IRD LUKOPR | 8760 |
| PLATELETS | EA773 | No | Frozen Apheresis PLATELET LYSATE | Frozen Apheresis PLATELET LYSATE|ACD-A/XX/<=-20C|For mnf:injectable | PLT Lysed AFR Froz ACD-A MNFI | 8760 |
| PLATELETS | EA774 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/refg|ResLeu:<5E6|1st container|<3E11 plts | PLT AFR ACD-A LUKOPR 1C | 336 |
| PLATELETS | EA775 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/refg|ResLeu:<5E6|2nd container|<3E11 plts | PLT AFR ACD-A LUKOPR 2C | 336 |
| PLATELETS | EA776 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/refg|ResLeu:<5E6|3rd container|<3E11 plts | PLT AFR ACD-A LUKOPR 3C | 336 |
| PLATELETS | EA777 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/refg|Irradiated|ResLeu:<5E6|1st container|<3E11 plts | PLT AFR ACD-A IRD LUKOPR 1C | 336 |
| PLATELETS | EA778 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/refg|Irradiated|ResLeu:<5E6|2nd container|<3E11 plts | PLT AFR ACD-A IRD LUKOPR 2C | 336 |
| PLATELETS | EA779 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/refg|Irradiated|ResLeu:<5E6|3rd container|<3E11 plts | PLT AFR ACD-A IRD LUKOPR 3C | 336 |
| PLATELETS | EA780 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/refg|ResLeu:<5E6|1st container|<3E11 plts|Psoralen-treated | PLT AFR ACD-A LUKOPR 1C Psoraln | 336 |
| PLATELETS | EA781 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/refg|ResLeu:<5E6|2nd container|<3E11 plts|Psoralen-treated | PLT AFR ACD-A LUKOPR 2C Psoraln | 336 |
| PLATELETS | EA782 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/refg|ResLeu:<5E6|3rd container|<3E11 plts|Psoralen-treated | PLT AFR ACD-A LUKOPR 3C Psoraln | 336 |
| PLATELETS | EA783 | No | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-E/XX/20-24C|ResLeu:<5E6|1st container | PLT AFR ACD-A>PAS-E LUKOPR 1C | 120 |
| PLATELETS | EA784 | No | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-E/XX/20-24C|ResLeu:<5E6|2nd container | PLT AFR ACD-A>PAS-E LUKOPR 2C | 120 |
| PLATELETS | EA785 | No | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-E/XX/20-24C|Irradiated|ResLeu:<5E6|1st container | PLT AFR ACD-A>PAS-E IRD LUKOPR 1C | 120 |
| PLATELETS | EA786 | No | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-E/XX/20-24C|Irradiated|ResLeu:<5E6|2nd container | PLT AFR ACD-A>PAS-E IRD LUKOPR 2C | 120 |
| FRESH FROZEN PLASMA | EA787 | Yes | Apheresis FRESH FROZEN PLASMA | Apheresis FRESH FROZEN PLASMA|ACD-A/XX/<=-25C|Frozen <=15h|Psoralen-treated | FFP AFR ACD-A Psoraln | 8760 |
| PLATELETS | EA788 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/20-24C|ResLeu:<1E6|Supernat rem/Plasma added|Psoralen-treated | PLT AFR ACD-A LUKOPR SR/PA Psoraln | 120 |
| PLATELETS | EA789 | Yes | POOLED PLATELETS | POOLED PLATELETS|CPD/XX/20-24C|ResLeu:<5E6|4 units|Bacterial monitoring | PLT Pool CPD LUKOPR 4U BacMtr | 120 |
| PLATELETS | EA790 | Yes | POOLED PLATELETS | POOLED PLATELETS|CPD/XX/20-24C|ResLeu:<5E6|5 units|Bacterial monitoring | PLT Pool CPD LUKOPR 5U BacMtr | 120 |
| PLATELETS | EA791 | Yes | POOLED PLATELETS | POOLED PLATELETS|CPD/XX/20-24C|ResLeu:<5E6|6 units|Bacterial monitoring | PLT Pool CPD LUKOPR 6U BacMtr | 120 |
| PLATELETS | EA792 | Yes | POOLED PLATELETS | POOLED PLATELETS|CPD/XX/20-24C|Irradiated|ResLeu:<5E6|4 units|Bacterial monitoring | PLT Pool CPD IRD LUKOPR 4U BacMtr | 120 |
| PLATELETS | EA793 | Yes | POOLED PLATELETS | POOLED PLATELETS|CPD/XX/20-24C|Irradiated|ResLeu:<5E6|5 units|Bacterial monitoring | PLT Pool CPD IRD LUKOPR 5U BacMtr | 120 |
| PLATELETS | EA794 | Yes | POOLED PLATELETS | POOLED PLATELETS|CPD/XX/20-24C|Irradiated|ResLeu:<5E6|6 units|Bacterial monitoring | PLT Pool CPD IRD LUKOPR 6U BacMtr | 120 |
| PLATELETS | EA795 | Yes | POOLED PLATELETS | POOLED PLATELETS|CPD/XX/20-24C|ResLeu:<5E6|<3E11 plts|Bacterial monitoring | PLT Pool CPD LUKOPR BacMtr | 120 |
| PLATELETS | EA796 | Yes | POOLED PLATELETS | POOLED PLATELETS|CPD/XX/20-24C|Irradiated|ResLeu:<5E6|<3E11 plts|Bacterial monitoring | PLT Pool CPD IRD LUKOPR BacMtr | 120 |
| PLATELETS | EA797 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Open|ResLeu:<5E6|Plasma reduced|1st container|<3E11 plts | PLT AFR ACD-A>PAS-C OPN LUKOPR PLS Red 1C | 4 |
| PLATELETS | EA798 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Open|ResLeu:<5E6|Plasma reduced|2nd container|<3E11 plts | PLT AFR ACD-A>PAS-C OPN LUKOPR PLS Red 2C | 4 |
| PLATELETS | EA799 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Open|ResLeu:<5E6|Plasma reduced|3rd container|<3E11 plts | PLT AFR ACD-A>PAS-C OPN LUKOPR PLS Red 3C | 4 |
| PLATELETS | EA800 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Open|Irradiated|ResLeu:<5E6|Plasma reduced|1st container|<3E11 plts | PLT AFR ACD-A>PAS-C OPN IRD LUKOPR PLS Red 1C | 4 |
| PLATELETS | EA801 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Open|Irradiated|ResLeu:<5E6|Plasma reduced|2nd container|<3E11 plts | PLT AFR ACD-A>PAS-C OPN IRD LUKOPR PLS Red 2C | 4 |
| PLATELETS | EA802 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Open|Irradiated|ResLeu:<5E6|Plasma reduced|3rd container|<3E11 plts | PLT AFR ACD-A>PAS-C OPN IRD LUKOPR PLS Red 3C | 4 |
| PLATELETS | EA803 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Open|ResLeu:<5E6|Plasma reduced|1st container|<3E11 plts|Psoralen-treated | PLT AFR ACD-A>PAS-C OPN LUKOPR PLS Red 1C Psoraln | 4 |
| PLATELETS | EA804 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Open|ResLeu:<5E6|Plasma reduced|2nd container|<3E11 plts|Psoralen-treated | PLT AFR ACD-A>PAS-C OPN LUKOPR PLS Red 2C Psoraln | 4 |
| PLATELETS | EA805 | No | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/20-24C|For mnf:noninjectable|ResLeu:<5E6|1st container|<3E11 plts | PLT AFR ACD-A MNFNI LUKOPR 1C | 120 |
| PLATELETS | EA806 | No | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/20-24C|For mnf:noninjectable|ResLeu:<5E6|2nd container|<3E11 plts | PLT AFR ACD-A MNFNI LUKOPR 2C | 120 |
| PLATELETS | EA807 | No | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/20-24C|For mnf:noninjectable|ResLeu:<5E6|3rd container|<3E11 plts | PLT AFR ACD-A MNFNI LUKOPR 3C | 120 |
| PLATELETS | EA808 | No | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/20-24C|For mnf:noninjectable|Irradiated|ResLeu:<5E6|1st container|<3E11 plts | PLT AFR ACD-A MNFNI IRD LUKOPR 1C | 120 |
| PLATELETS | EA809 | No | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/20-24C|For mnf:noninjectable|Irradiated|ResLeu:<5E6|2nd container|<3E11 plts | PLT AFR ACD-A MNFNI IRD LUKOPR 2C | 120 |
| PLATELETS | EA810 | No | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A/XX/20-24C|For mnf:noninjectable|Irradiated|ResLeu:<5E6|3rd container|<3E11 plts | PLT AFR ACD-A MNFNI IRD LUKOPR 3C | 120 |
| PLATELETS | EA811 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|ResLeu:<5E6 | PLT AFR Froz ACD-A MNFI LUKOPR | 8760 |
| PLATELETS | EA812 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|ResLeu:<5E6|1st container | PLT AFR Froz ACD-A MNFI LUKOPR 1C | 8760 |
| PLATELETS | EA813 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|ResLeu:<5E6|2nd container | PLT AFR Froz ACD-A MNFI LUKOPR 2C | 8760 |
| PLATELETS | EA814 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|ResLeu:<5E6|3rd container | PLT AFR Froz ACD-A MNFI LUKOPR 3C | 8760 |
| PLATELETS | EA815 | No | Frozen Apheresis PLATELETS | Frozen Apheresis PLATELETS|ACD-A/XX/<=-80C|For mnf:injectable|ResLeu:<5E6|<3E11 plts | PLT AFR Froz ACD-A MNFI LUKOPR | 8760 |
| PLATELETS | EA816 | Yes | Apheresis PLATELETS | Apheresis PLATELETS|ACD-A>PAS-C/XX/20-24C|Open|ResLeu:<5E6|Plasma reduced|3rd container|<3E11 plts|Psoralen-treated | PLT AFR ACD-A>PAS-C OPN LUKOPR PLS Red 3C Psoraln | 4 |
| RED BLOOD CELLS | EA817 | Yes | Washed RED BLOOD CELLS | Washed RED BLOOD CELLS|None/450mL/refg|Plasma added | RBC Wash None PA | 24 |
| RED BLOOD CELLS | EA818 | Yes | Washed RED BLOOD CELLS | Washed RED BLOOD CELLS|None/450mL/refg|Irradiated|Plasma added | RBC Wash None IRD PA | 24 |
| RED BLOOD CELLS | EA819 | Yes | Washed RED BLOOD CELLS | Washed RED BLOOD CELLS|None/450mL/refg|Irradiated|ResLeu:<5E6|Plasma added | RBC Wash None IRD LUKOPR PA | 24 |
| FRESH FROZEN PLASMA | EA820 | Yes | Thawed Apheresis PLASMA | Thawed Apheresis PLASMA|ACD-A/XX/refg|Open|>=400mL<600mL|RT<=24h frozen<=24h | PLASMA AFR Thaw ACD-A OPN | 24 |
| FRESH FROZEN PLASMA | EA821 | Yes | Thawed Apheresis PLASMA | Thawed Apheresis PLASMA|ACD-A/XX/refg|Irradiated|>=400mL<600mL|RT<=24h frozen<=24h | PLASMA AFR Thaw ACD-A IRD | 24 |
| FRESH FROZEN PLASMA | EA822 | Yes | Thawed Apheresis PLASMA | Thawed Apheresis PLASMA|ACD-A/XX/refg|Open|Irradiated|>=400mL<600mL|RT<=24h frozen<=24h | PLASMA AFR Thaw ACD-A OPN IRD | 24 |

# Revision History

| **Date** | **Revision** | **Description** | **Author** |
| --- | --- | --- | --- |
| 12/9/22 | 1.0 | VBECS 2.3.4 Rev A  Initial version(Task 86176) | BBM Team |
| 2/7/23 | 2.0 | VBECS 2.3.4 Rev A  Updates from IOC Test. (Task 139433)  Renamed document from VBECS 2.3.4 Rev A Release Notes to VBECS 2.3.4 Release Notes.  All diagrams: Added alternate text for 508 compliance.  Untestable System-Level Maintenance Changes with User Actions: New section added.  FAQ Document table: FAQ Compound Antibodies retired.  Customer Support: Updated last sentence.  Table 1: Updates by Option, Row 9: Reworded Validation Scenario.  Table 1: Updates by Option, Row 15: New row added for review of Active Directory groups. All subsequent row numbers incremented.  Table 1: Updates by Option, Row 36 (new Row 37): Reworded first visible bullet in Change Summary. | BBM Team |
| 3/2/23 | 3.0 | VBECS 2.3.4 Rev A  Updates from IOC Prod. (Task 142957)  FAQ Document table, FAQ Blood Product Table Processes row: Updated. | BBM Team |

This is the last page of *VBECS 2.3.4 Release Notes*.