VistA Blood Establishment Computer Software (VBECS) 2.3.4

Release Notes Version 3.0

Department of Veterans Affairs
Enterprise Project Management Office

Table of Contents

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.

Untestable System-Level Maintenance Changes

- Changed SQL database compatibility from 110 to 130.

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 <mark>REDACTED</mark>.

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 <mark>REDACTED</mark>.

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).

> **Please 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

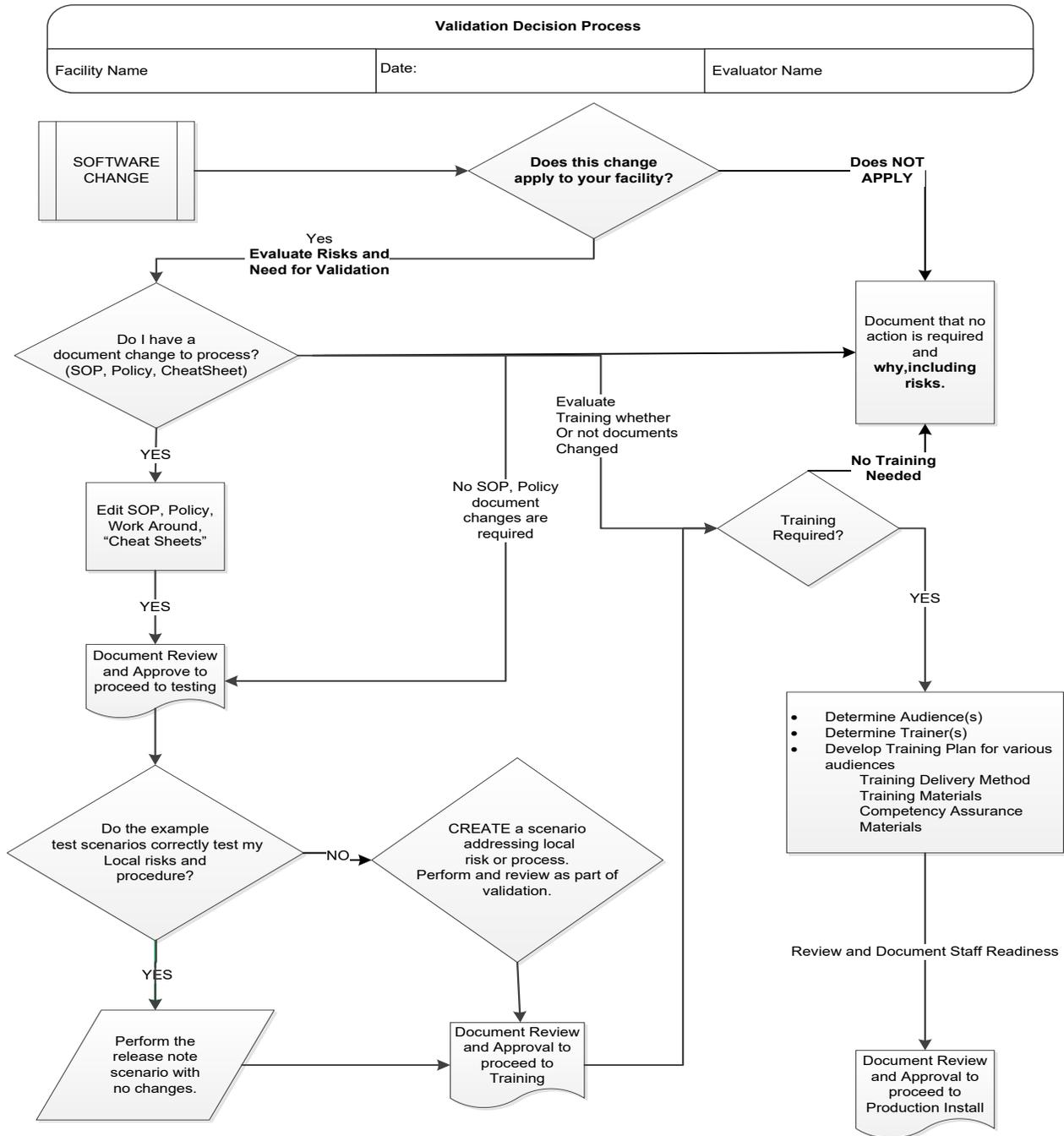The following is a flowchart to help assess changes for validation planning.

Validation Decision Process

Facility Name	Date:	Evaluator Name

```
SOFTWARE
CHANGE  ────────►  Does this change      Does NOT
                   apply to your facility? ──────►  APPLY
```

Yes
**Evaluate Risks and
Need for Validation**

Do I have a
document change to process?
(SOP, Policy, CheatSheet)

No SOP, Policy
document
changes are
required

YES

Edit SOP, Policy,
Work Around,
"Cheat Sheets"

YES

Document Review
and Approve to
proceed to testing

Do the example
test scenarios correctly test my
Local risks and
procedure?

NO ──► CREATE a scenario
addressing local
risk or process.
Perform and review as part of
validation.

YES

Perform the
release note
scenario with
no changes.

Document Review
and Approval to
proceed to
Training

Evaluate
Training whether
Or not documents
Changed

Document that no
action is required
and
**why,including
risks.**

**No Training
Needed**

Training
Required?

YES

- Determine Audience(s)
- Determine Trainer(s)
- Develop Training Plan for various audiences
    Training Delivery Method
    Training Materials
    Competency Assurance
    Materials

Review and Document Staff Readiness

Document Review
and Approval to
proceed to
Production Install

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	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	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	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	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.					

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)
5	Incoming Shipment / Edit Unit Information	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	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	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.					

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)
8	Outgoing Shipment / Unit History Report	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	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.					

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)
10	New Blood Products	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	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	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	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.					

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)
14	Issue Blood Components / Select Blood Units	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)

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)
15	Active Directory Group	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.					

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)
			Defect fixes and other miscellaneous changes (validation NOT required)						
16	Incoming Shipment	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	Known defects and anomalies.	• Updated cost fields to allow up to $9,999.99	Validation Not Required					

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)
18	Incoming Shipment / Modify Units	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	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					

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)
20	Edit Unit Information	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	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	Known defects and anomalies.	• Expired order override will be triggered based on the order acceptance date and not order received date.	Validation Not Required					

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)
23	Release Units from Patient Assignment	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	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	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	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	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	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	Known defects and anomalies.	• Fixed tooltips on Patient Select screen.	Validation Not Required					

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)
30	Unit Search Utility	Known defects and anomalies.	• Blood Unit Search screen will no longer display duplicate antigen information.	Validation Not Required					
31	Maintain Specimen	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	Known defects and anomalies.	• Fixed an emergency issue indicator for units returned from issue and issued again.	Validation Not Required					
33	Canned Comments	Known defects and anomalies.	• Fixed sort order for Canned Comment Categories. • Corrected name of Canned Comment Category.	Validation Not Required					
34	VBECS Admin	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	Known defects and anomalies.	• Cancelling a pending order in CPRS will no longer generate email alerts.	Validation Not Required					
36	VBECS Help	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					

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)
37	Blood Products	Known defects and anomalies.	• 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

Component	Product Code	Modifiable	Product Type	Long Name	Short Name	Maximum Storage Hours
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

Component	Product Code	Modifiable	Product Type	Long Name	Short Name	Maximum Storage Hours
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

Component	Product Code	Modifiable	Product Type	Long Name	Short Name	Maximum Storage Hours
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

Component	Product Code	Modifiable	Product Type	Long Name	Short Name	Maximum Storage Hours
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

Component	Product Code	Modifiable	Product Type	Long Name	Short Name	Maximum Storage Hours
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

Component	Product Code	Modifiable	Product Type	Long Name	Short Name	Maximum Storage Hours
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

Component	Product Code	Modifiable	Product Type	Long Name	Short Name	Maximum Storage Hours
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	BBM Team
2/7/23	2.0	VBECS 2.3.4 Rev A Updates from IOC Test.	BBM Team
3/2/23	3.0	VBECS 2.3.4 Rev A Updates from IOC Prod.	BBM Team

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