

# VistA Blood Establishment Computer Software (VBECS) 2.3.2 Rev D

Release Notes Version 1.0

Department of Veterans Affairs Enterprise Project Management Office This page intentionally left blank.

# **Revision History**

Date	Revision	Description	Author
		VBECS 2.3.2 Rev D	
04/17/20	1.0	Initial version	BBM Team

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### Introduction

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

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

## **Changed Features and Functions**

This revision letter patch release is centrally focused around providing additional blood product updates released from International Council for Commonality in Blood Banking Automation, Inc. (ICCBBA) for the treatment of COVID-19. Blood products contained in ICCBBA releases 7.35.2, 7.35.3 and 7.35.4 are included. In addition, the text for the donation types of 2, L, E, and 3 is being updated to indicate directed recipient rather than directed donor.

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

For a full list of new product codes see tables 2 and 3.

#### Untestable System-Level Corrected Code Requests

• None

## VistA Software Dependencies

• No VistA patch is required for this blood product-only release.

#### **VBECS User Documents**

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

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

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

The following is a list of all the VBECS FAQ documents that apply to the VBECS 2.3.2 Rev D patch release. The **Updated** column identifies the documents that have been updated with this VBECS 2.3.2 Rev D revision letter 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	03/28/19	No
FAQ CAP Comprehensive Transfusions Medicine Crossmatch Survey	11/22/16	No
FAQ Compound Antibodies	02/27/13	No
FAQ CPRS VBECS Order Details	04/01/09	No
FAQ Database Conversion Oddballs	09/15/09	No
FAQ Documenting Unhandled Exceptions	05/21/07	No
FAQ Handling ABO Incompatible Transfusion Situations	09/23/14	No
FAQ How to File a New Service Request for Changes to VBECS	12/08/16	No
FAQ How to take faster screen shots from Remote Desktop Session	12/17/14	No
FAQ Identifying a Comparable Blood Product Code	03/28/19	No
FAQ Local Facilities	12/27/19	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	11/04/19	No
FAQ QC Setup	01/29/10	No
FAQ Retesting QC	11/01/11	No
FAQ Retrieving an Expired Order	12/07/17	No
FAQ The Difference Between Transfusion Only and Full Service Facility Types	02/08/10	No
FAQ VBECS Blood Product Hierarchy	03/28/19	No
FAQ VBECS Computer Crossmatch Decision Tree	02/08/12	No
FAQ Weak D Policy	01/11/10	No

## **Customer Support**

#### **Problems?**

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

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

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

#### **Service Desk Contact**

#### **REDACTED**References

- ISBT128 Standard Technical Specification v 5.10.0
- Blood Product Revisions ICCBBA Version 7.35.4, April 15<sup>th</sup> 2020

#### VBECS SharePoint Site

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

#### REDACTED.

## Installation Qualification (IQ) Documentation

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

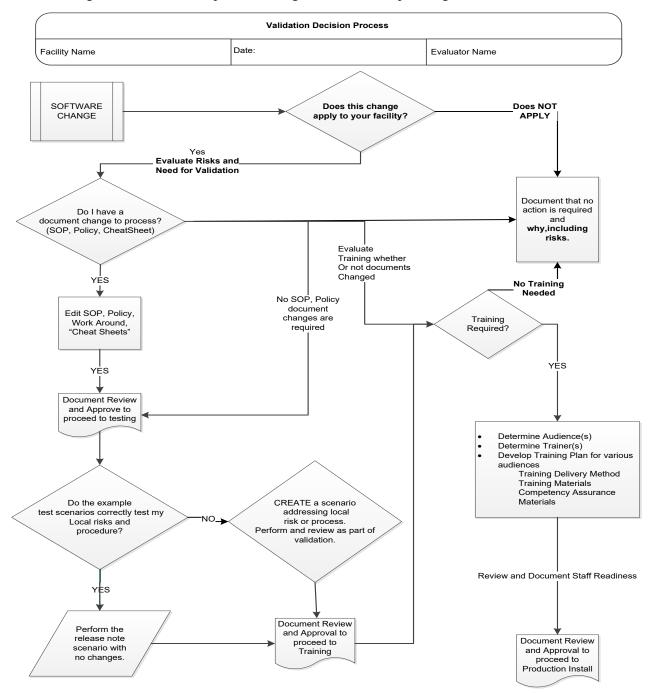
	Test Account Upgrade to VBECS 2.3.2 Revision D					
Required Patch	VistA Patch: N/A					
Installation	Server Patch: VBECS 2.3.2 Revision D					
Installation Process for VBECS 2.3.2 Rev D  Installed by the BBM team, all sites will be installed in one day. The date of will be communicated through a ListServ announcement.						
Expected Downtime	None					
Installation Communication for VBECS 2.3.2 Rev D	The planned completion time for all test installs will be provided on the VBECS SharePoint site.					
Site Responsibility	<ul> <li>Join VBECS-L message board on ListServ, if needed.</li> <li>Please communicate any changes to your site supervisor and Point of Contact (POC) since the last patch install to the BBM team to the email group "VA OIT BBM Team".</li> </ul>					

Site Record of Patch	Sites should take and save a screenshot of the VBECS Help, About window after the
Installation	Test installation is performed. This displays the VBECS updated version information.

	Production Account Upgrade to VBECS 2.3.2 Revision D		
Required Patch Installation VistA Patch: N/A Server Patch: VBECS 2.3.2 Revision D			
Installation Process for VBECS 2.3.2 Rev D	Installed by the BBM team, all sites will be installed in one day. The date of installation will be communicated through a ListServ announcement.		
Expected Downtime	You will be able to use VBECS during the patch installation. VBECS installation on your production account only lasts a few minutes and is invisible to users.		
	If you encounter any disruption or errors while viewing or printing reports during the installation, try again after a few minutes.		
Installation Communication for VBECS 2.3.2 Rev D	The status of production installs will be provided on the VBECS SharePoint site.		
Site Responsibility	<ul> <li>Perform local validation, training, and set-up requirements prior to Production installation.</li> <li>Join VBECS-L message board on ListServ, if needed.</li> <li>Please communicate any changes to your site supervisor and Point of Contact (POC) since the last patch install to the BBM team to the email group "VA OIT BBM Team".</li> </ul>		
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)
1	Blood Products	Update blood product table with new ICCBBA blood product codes from version 7.35.2 through 7.35.4 with a primary focus on the convalescent plasma products used for treatment of COVID-19.	New blood products were added to VBECS. For a full list of new product codes for COVID-19 treatment, see <b>Table 2</b> . For possible modifications for new blood products see <b>Table 3</b> .	Validate only blood products that you may receive from your supplier. Use Tools, Blood Products to associate the blood products with an active facility.					
2	Donation Types	Update text of the following donation types to indicate directed recipient rather than directed donor:  2 - "For Directed Donor Use Only"  L - "For Directed Donor Use Only, Limited Exposure"  E - "For Directed Donor Use Only, Medical Exception"  3 - "For Directed Donor Use Only, Biohazardous"	New text of donation types:  2 - "For Directed Recipient Use Only" L - "For Directed Recipient Use Only, Limited Exposure" E - "Medical Exception, for Specified Recipient Only" 3 - "For Directed Recipient Use Only, Biohazardous"	No validation required.					

**Table 2: New Blood Products for COVID-19 Treatment** 

Component	Product Code	Modifiable	Product Type	Long Name	Short Name	Maximum Storage Hours
FRESH		mouniable	Apheresis	Long Hamo	Onor Hamo	110010
FROZEN			CONVALESCENT	Apheresis CONVALESCENT PLASMA ACD-A/XX/<=-		
PLASMA	E9784	Yes	PLASMA	18C 1st container Psoralen-treated COVID-19	PLASMA AFR Conv ACD-A 1C Psorain COVID-19	8760
FRESH			Apheresis			
FROZEN			CONVALESCENT	Apheresis CONVALESCENT PLASMA ACD-A/XX/<=-		
PLASMA	E9785	Yes	PLASMA	18C 2nd container Psoralen-treated COVID-19	PLASMA AFR Conv ACD-A 2C Psorain COVID-19	8760
FRESH			Apheresis			
FROZEN			CONVALESCENT	Apheresis CONVALESCENT PLASMA ACD-A/XX/<=-		
PLASMA	E9786	Yes	PLASMA	18C 3rd container Psoralen-treated COVID-19	PLASMA AFR Conv ACD-A 3C Psoraln COVID-19	8760
FRESH			Apheresis			
FROZEN		.,	CONVALESCENT	Apheresis CONVALESCENT PLASMA ACD-A/XX/<=-		.=
PLASMA	E9787	Yes	PLASMA	18C 4th container Psoralen-treated COVID-19	PLASMA AFR Conv ACD-A 4C Psoraln COVID-19	8760
FRESH			Thawed Apheresis	The same of Archange is CONN (ALECCENIT DI ACMALA CD	DI AGNA Garas AFR Thank AGR A Research COVID	
FROZEN	E0700		CONVALESCENT	Thawed Apheresis CONVALESCENT PLASMA ACD-	PLASMA Conv AFR Thaw ACD-A Psoraln COVID-	400
PLASMA	E9788	Yes	PLASMA	A/XX/refg Psoralen-treated COVID-19	19	120
FRESH			Thawed Apheresis	Thousand Ambarasia CONVALESCENT DLASMALACD	PLASMA Conv AFR Thaw ACD-A 1C Psoraln	
FROZEN PLASMA	E9789	Yes	CONVALESCENT PLASMA	Thawed Apheresis CONVALESCENT PLASMA ACD-A/XX/refg 1st container Psoralen-treated COVID-19	COVID-19	120
FRESH	E9789	res	Thawed Apheresis	A/XX/reig 1st container Psoralen-treated COVID-19	COVID-19	120
FROZEN			CONVALESCENT	Thawed Apheresis CONVALESCENT PLASMAIACD-	PLASMA Conv AFR Thaw ACD-A 2C Psoraln	
PLASMA	E9790	Yes	PLASMA	A/XX/refg 2nd container Psoralen-treated COVID-19	COVID-19	120
FRESH	L9190	163	Thawed Apheresis	AVANTEIGIZITA COTICATIONI SOTAION-TIORICA (COVID-19	COVID-19	120
FROZEN			CONVALESCENT	Thawed Apheresis CONVALESCENT PLASMAJACD-	PLASMA Conv AFR Thaw ACD-A 3C Psoraln	
PLASMA	E9791	Yes	PLASMA	A/XX/refg 3rd container Psoralen-treated COVID-19	COVID-19	120
FRESH	20701	100	Thawed Apheresis	7 47 6 4 reigiora certainorii ceraieri acatea e e vib	00112 10	120
FROZEN			CONVALESCENT	Thawed Apheresis CONVALESCENT PLASMAJACD-	PLASMA Conv AFR Thaw ACD-A 4C Psoraln	
PLASMA	E9792	Yes	PLASMA	A/XX/refg 4th container Psoralen-treated COVID-19	COVID-19	120
FRESH			Thawed Apheresis			
FROZEN			CONVALESCENT	Thawed Apheresis CONVALESCENT PLASMA ACD-		
PLASMA	E9793	Yes	PLASMA	A/XX/refg Irradiated COVID-19	PLASMA Conv AFR Thaw ACD-A IRD COVID-19	120
FRESH						
FROZEN			CONVALESCENT			
PLASMA	E9794	Yes	PLASMA	CONVALESCENT PLASMA CPD/XX/<=-25C COVID-19	PLASMA Conv CPD COVID-19	8760
FRESH			Apheresis			
FROZEN			CONVALESCENT	Apheresis CONVALESCENT PLASMA NaCitrate/XX/<=-		
PLASMA	E9795	Yes	PLASMA	25C COVID-19	PLASMA AFR Conv NaCit COVID-19	8760
FRESH			Liquid			
FROZEN	=====		CONVALESCENT	Liquid CONVALESCENT	B. A. G	
PLASMA	E9796	Yes	PLASMA	PLASMA NS/XX/refg Irradiated COVID-19	PLASMA Conv Liq NS IRD COVID-19	624
FRESH			Liquid Apheresis			
FROZEN	E0707	V	CONVALESCENT	Liquid Apheresis CONVALESCENT	DI AOMA OSSIS AED LISTAIO IDD COMUDATO	100
PLASMA	E9797	Yes	PLASMA	PLASMA NS/XX/refg Irradiated COVID-19	PLASMA Conv AFR Liq NS IRD COVID-19	120

Component	Product Code	Modifiable	Product Type	Long Name	Short Name	Maximum Storage Hours
FRESH	Jour	mountable	Liquid Apheresis	Long Humo	Chort Hamo	Hours
FROZEN			CONVALESCENT	Liquid Apheresis CONVALESCENT PLASMA ACD-		
PLASMA	E9798	Yes	PLASMA	A/XX/refg Irradiated COVID-19	PLASMA Conv AFR Liq ACD-A IRD COVID-19	120
FRESH			Liquid			
FROZEN PLASMA	E9799	Yes	CONVALESCENT PLASMA	Liquid CONVALESCENT PLASMA CPD/XX/refq Irradiated COVID-19	PLASMA Conv Liq CPD IRD COVID-19	624
FRESH	E9799	162	Liquid Apheresis	PLASIMA CPD/XX/leig iiiadiated COVID-19	PLASINA CONVENÇÃO INDICOVID-19	024
FROZEN			CONVALESCENT	Liquid Apheresis CONVALESCENT		
PLASMA	E9800	Yes	PLASMA	PLASMA CPD/XX/refg Irradiated COVID-19	PLASMA Conv AFR Liq CPD IRD COVID-19	120
FRESH						
FROZEN			CONVALESCENT	CONVALESCENT PLASMA CPD/XX/<=-		
PLASMA	E9801	Yes	PLASMA	18C Irradiated COVID-19	PLASMA Conv CPD IRD COVID-19	8760
FRESH FROZEN			CONVALESCENT			
PLASMA	E9802	Yes	PLASMA	CONVALESCENT PLASMA CP2D/XX/<=-18C COVID-19	PLASMA Conv CP2D COVID-19	8760
FRESH	L0002	100	Thawed	CONTINUE COLONIA CI EBIOCA COLOR TO	1 Excellent Gent of 2B Govib 10	0700
FROZEN			CONVALESCENT	Thawed CONVALESCENT PLASMA CP2D/XX/refg COVID-		
PLASMA	E9803	Yes	PLASMA	19	PLASMA Conv Thaw CP2D COVID-19	120
FRESH						
FROZEN	E0004	V	CONVALESCENT	CONVALECCENT DI ACMAICEDA 4/VV/4- 40CICOVID 40	DI ACMA Comi CDDA 4 COVID 40	0700
PLASMA FRESH	E9804	Yes	PLASMA	CONVALESCENT PLASMA CPDA-1/XX/<=-18C COVID-19	PLASMA Conv CPDA-1 COVID-19	8760
FROZEN			CONVALESCENT	CONVALESCENT PLASMA CPDA-1/XX/<=-18C Psoralen-		
PLASMA	E9805	Yes	PLASMA	treated COVID-19	PLASMA Conv CPDA-1 Psoraln COVID-19	8760
FRESH			Liquid Apheresis	•		
FROZEN			CONVALESCENT	Liquid Apheresis CONVALESCENT		
PLASMA	E9806	Yes	PLASMA	PLASMA NS/XX/refg Irradiated 1st container COVID-19	PLASMA Conv AFR Liq NS IRD 1C COVID-19	120
FRESH FROZEN			Liquid Apheresis CONVALESCENT	Limited Ambanasia CONNAL ECOENT		
PLASMA	E9807	Yes	PLASMA	Liquid Apheresis CONVALESCENT PLASMA NS/XX/refg Irradiated 2nd container COVID-19	PLASMA Conv AFR Liq NS IRD 2C COVID-19	120
FRESH	L3007	103	Liquid Apheresis	1 EAGNIA[NO/XXVIetg]IIIadiated[21id container[OOVID-13	T EAGNIA GOIN ALTE EIG NO IND 20 GOVID-13	120
FROZEN			CONVALESCENT	Liquid Apheresis CONVALESCENT		
PLASMA	E9808	Yes	PLASMA	PLASMA NS/XX/refg Irradiated 3rd container COVID-19	PLASMA Conv AFR Liq NS IRD 3C COVID-19	120
FRESH			Liquid Apheresis			
FROZEN	F0000		CONVALESCENT	Liquid Apheresis CONVALESCENT	DI AOMA Como AED Lim NO IDD 40 COVID 40	400
PLASMA FRESH	E9809	Yes	PLASMA Liquid	PLASMA NS/XX/refg Irradiated 4th container COVID-19	PLASMA Conv AFR Liq NS IRD 4C COVID-19	120
FROZEN			CONVALESCENT	Liquid CONVALESCENT PLASMA CPDA-1/XX/refg COVID-		
PLASMA	E9810	Yes	PLASMA	19	PLASMA Conv Liq CPDA-1 COVID-19	624
FRESH			Thawed			
FROZEN			CONVALESCENT	Thawed CONVALESCENT PLASMA CPDA-		
PLASMA	E9811	Yes	PLASMA	1/XX/refg COVID-19	PLASMA Conv Thaw CPDA-1 COVID-19	120

**Table 3: Possible Modifications for Newly Added Products** 

		Source		Target	
Modification	Method	Product Code	Source Product Name	Product Code	Target Product Name
Modification	Wethod	Code	Apheresis CONVALESCENT PLASMA ACD-A/XX/<=-	Code	Thawed Apheresis CONVALESCENT PLASMA ACD-
Thou	CLOSED	E9753	18C Irradiated COVID-19	E9793	A/XX/refg  rradiated COVID-19
Thaw	CLUSED	E9733	Apheresis CONVALESCENT PLASMAIACD-A/XX/<=-	E9793	Thawed Apheresis CONVALESCENT PLASMAIACD-
Thaw	CLOSED	E9771	18C Psoralen-treated COVID-19	E9788	A/XX/refg Psoralen-treated COVID-19
IIIaW	CLUSED	<u>⊏9771</u>	Apheresis CONVALESCENT PLASMAIACD-A/XX/<=-	E9700	Thawed Apheresis CONVALESCENT PLASMA ACD-A/XX/refg 1st
Thaw	CLOSED	E9784	18C 1st container Psoralen-treated COVID-19	E9789	container Psoralen-treated COVID-19
Illaw	CLOSED	L9104	Apheresis CONVALESCENT PLASMA ACD-A/XX/<=-	L9109	Thawed Apheresis CONVALESCENT PLASMA ACD-A/XX/refg 2nd
Thaw	CLOSED	E9785	18C 2nd container Psoralen-treated COVID-19	E9790	container Psoralen-treated COVID-19
IIIaw	CLUSED	E9703	Apheresis CONVALESCENT PLASMAIACD-A/XX/<=-	E9790	Thawed Apheresis CONVALESCENT PLASMA ACD-A/XX/refg 3rd
Thaw	CLOSED	E9786	18C 3rd container Psoralen-treated COVID-19	E9791	container Psoralen-treated COVID-19
IIIaw	CLOSED	L9700	Apheresis CONVALESCENT PLASMAIACD-A/XX/<=-	Larai	Thawed Apheresis CONVALESCENT PLASMA ACD-A/XX/refg 4th
Thaw	CLOSED	E9787	18C 4th container Psoralen-treated COVID-19	E9792	container Psoralen-treated COVID-19
ITIAW			100 4ti1 container i soraleri-treated COVID-19		Container i Soraien-treated COVID-19
Thaw	CLOSED	E9794	CONVALESCENT PLASMA CPD/XX/<=-25C COVID-19	E9780	Thawed CONVALESCENT PLASMA CPD/XX/refg COVID-19
			Apheresis CONVALESCENT PLASMA NaCitrate/XX/<=-		
Thaw	CLOSED	E9795	25C COVID-19	E9782	Thawed Apheresis CONVALESCENT PLASMA NS/XX/refg COVID-19
Thaw	CLOSED	E9802	CONVALESCENT PLASMAICP2D/XX/<=-18CICOVID-19	E9803	Thawed CONVALESCENT PLASMA CP2D/XX/refg COVID-19
Thaw	CLOSED	E9804	CONVALESCENT PLASMA CPDA-1/XX/<=-18C COVID-19	E9811	Thawed CONVALESCENT PLASMA CPDA-1/XX/refg COVID-19
Irradiate	CLOSED	E9738	Liquid CONVALESCENT PLASMA CPD/XX/refg COVID-19	E9799	Liquid CONVALESCENT PLASMA CPD/XX/refg Irradiated COVID-19
			Liquid Apheresis CONVALESCENT		Liquid Apheresis CONVALESCENT
Irradiate	CLOSED	E9739	PLASMA CPD/XX/refg COVID-19	E9800	PLASMA CPD/XX/refg Irradiated COVID-19
			Liquid Apheresis CONVALESCENT		Liquid Apheresis CONVALESCENT
Irradiate	CLOSED	E9750	PLASMA NS/XX/refg COVID-19	E9797	PLASMA NS/XX/refg Irradiated COVID-19
Irradiate	CLOSED	E9751	Liquid CONVALESCENT PLASMA NS/XX/refq COVID-19	E9796	Liquid CONVALESCENT PLASMA NS/XX/refq Irradiated COVID-19
			Thawed Apheresis CONVALESCENT PLASMAJACD-		Thawed Apheresis CONVALESCENT PLASMAJACD-
Irradiate	CLOSED	E9752	A/XX/refq COVID-19	E9793	A/XX/refg Irradiated COVID-19
			Liquid Apheresis CONVALESCENT PLASMA NS/XX/refg 1st		Liquid Apheresis CONVALESCENT PLASMA NS/XX/refg Irradiated 1st
Irradiate	CLOSED	E9758	container COVID-19	E9806	container COVID-19
			Liquid Apheresis CONVALESCENT		Liquid Apheresis CONVALESCENT
Irradiate	CLOSED	E9759	PLASMA NS/XX/refg 2nd container COVID-19	E9807	PLASMA NS/XX/refg Irradiated 2nd container COVID-19
			Liquid Apheresis CONVALESCENT PLASMAINS/XX/refg 3rd		Liquid Apheresis CONVALESCENT PLASMA NS/XX/refg Irradiated 3rd
Irradiate	CLOSED	E9760	container COVID-19	E9808	container COVID-19
			Liquid Apheresis CONVALESCENT PLASMA NS/XX/refg 4th		Liquid Apheresis CONVALESCENT PLASMA NS/XX/refg Irradiated 4th
Irradiate	CLOSED	E9761	container COVID-19	E9809	container COVID-19
			Liquid Apheresis CONVALESCENT PLASMA ACD-		Liquid Apheresis CONVALESCENT PLASMA ACD-
Irradiate	CLOSED	E9773	A/XX/refg COVID-19	E9798	A/XX/refg Irradiated COVID-19
			Thawed Apheresis CONVALESCENT PLASMA ACD-		Thawed Apheresis CONVALESCENT PLASMA ACD-
Split/Divide	CLOSED	E9788	A/XX/refg Psoralen-treated COVID-19	E9788	A/XX/refg Psoralen-treated COVID-19
			Thawed Apheresis CONVALESCENT PLASMA ACD-		Thawed Apheresis CONVALESCENT PLASMA ACD-A/XX/refg 1st
Split/Divide	CLOSED	E9789	A/XX/refg 1st container Psoralen-treated COVID-19	E9789	container Psoralen-treated COVID-19

		Source Product		Target Product	
Modification	Method	Code	Source Product Name	Code	Target Product Name
			Thawed Apheresis CONVALESCENT PLASMA ACD-		Thawed Apheresis CONVALESCENT PLASMA ACD-A/XX/refg 2nd
Split/Divide	CLOSED	E9790	A/XX/refg 2nd container Psoralen-treated COVID-19	E9790	container Psoralen-treated COVID-19
			Thawed Apheresis CONVALESCENT PLASMA ACD-		Thawed Apheresis CONVALESCENT PLASMA ACD-A/XX/refg 3rd
Split/Divide	CLOSED	E9791	A/XX/refg 3rd container Psoralen-treated COVID-19	E9791	container Psoralen-treated COVID-19
			Thawed Apheresis CONVALESCENT PLASMA ACD-		Thawed Apheresis CONVALESCENT PLASMA ACD-A/XX/refg 4th
Split/Divide	CLOSED	E9792	A/XX/refg 4th container Psoralen-treated COVID-19	E9792	container Psoralen-treated COVID-19
			Thawed Apheresis CONVALESCENT PLASMA ACD-		Thawed Apheresis CONVALESCENT PLASMA ACD-
Split/Divide	CLOSED	E9793	A/XX/refg Irradiated COVID-19	E9793	A/XX/refg Irradiated COVID-19
			Liquid CONVALESCENT		
Split/Divide	CLOSED	E9796	PLASMA NS/XX/refg Irradiated COVID-19	E9796	Liquid CONVALESCENT PLASMA NS/XX/refg Irradiated COVID-19
			Liquid Apheresis CONVALESCENT		Liquid Apheresis CONVALESCENT
Split/Divide	CLOSED	E9797	PLASMA NS/XX/refg Irradiated COVID-19	E9797	PLASMA NS/XX/refg Irradiated COVID-19
			Liquid Apheresis CONVALESCENT PLASMA ACD-		Liquid Apheresis CONVALESCENT PLASMA ACD-
Split/Divide	CLOSED	E9798	A/XX/refg Irradiated COVID-19	E9798	A/XX/refg Irradiated COVID-19
			Liquid CONVALESCENT		
Split/Divide	CLOSED	E9799	PLASMA CPD/XX/refg Irradiated COVID-19	E9799	Liquid CONVALESCENT PLASMA CPD/XX/refg Irradiated COVID-19
0 11/15/11	0.00=5		Liquid Apheresis CONVALESCENT		Liquid Apheresis CONVALESCENT
Split/Divide	CLOSED	E9800	PLASMA CPD/XX/refg Irradiated COVID-19	E9800	PLASMA CPD/XX/refg Irradiated COVID-19
0 111/101 11	01 0055	F0000	Thawed CONVALESCENT PLASMA CP2D/XX/refg COVID-	F0000	TI LOONINAL FOODNIT DI AOMANODODINALI GIOCUIDI 40
Split/Divide	CLOSED	E9803	19	E9803	Thawed CONVALESCENT PLASMA CP2D/XX/refg COVID-19
0 11/15/11	0.00=5		Liquid Apheresis CONVALESCENT		Liquid Apheresis CONVALESCENT PLASMA NS/XX/refg Irradiated 1st
Split/Divide	CLOSED	E9806	PLASMA NS/XX/refg Irradiated 1st container COVID-19	E9806	container COVID-19
O-14/Di-1-1-	01 0055	E0007	Liquid Apheresis CONVALESCENT	E0007	Liquid Apheresis CONVALESCENT
Split/Divide	CLOSED	E9807	PLASMA NS/XX/refg Irradiated 2nd container COVID-19	E9807	PLASMA NS/XX/refg Irradiated 2nd container COVID-19
Cralit/Divide	CLOCED	E0000	Liquid Apheresis CONVALESCENT	E0000	Liquid Apheresis CONVALESCENT PLASMA NS/XX/refg Irradiated 3rd
Split/Divide	CLOSED	E9808	PLASMA NS/XX/refg Irradiated 3rd container COVID-19	E9808	container COVID-19
On litt/Divide	01 0055	F0000	Liquid Apheresis CONVALESCENT	F0000	Liquid Apheresis CONVALESCENT PLASMA NS/XX/refg Irradiated 4th
Split/Divide	CLOSED	E9809	PLASMA NS/XX/refg Irradiated 4th container COVID-19	E9809	container COVID-19
Contit/Divide	CLOSED	F0040	Liquid CONVALESCENT PLASMA CPDA-1/XX/refg COVID-	F0040	Limited CONVALECCENT DI ACMAJORDA 4/VV/matelOCV/ID 40
Split/Divide	CLOSED	E9810	19	E9810	Liquid CONVALESCENT PLASMA CPDA-1/XX/refg COVID-19
Colit/Divide	CLOSED	F0011	Thawed CONVALESCENT PLASMA CPDA-	F0011	Thousand CONIVALESCENT DI ASMAICED A 1/VV/rafalcov/ID 40
Split/Divide	CLOSED	E9811	1/XX/refg COVID-19	E9811	Thawed CONVALESCENT PLASMA CPDA-1/XX/refg COVID-19

