

Overview

File: Whole Blood_DataPartner1_Final Summary Report_3Aug20_IQVIA_v3
Date: 8/3/2020
Objective: To conduct a feasibility analysis to estimate the incidence of blood components
CBER is responsible for regulating how blood donations are processed; CBER also reviews and accepts the Circular of Information (labeling) regarding the use of blood for transfusion. Blood, in contrast to other drugs, is of human origin and there is no single manufacturer that can be held responsible for safety, effectiveness, and quality of the products. Instead, the production of blood components is carried out in a decentralized system of blood banks, some of which belong to the healthcare institutions where they are administered to patients with the medical need, and some of which are independent organizations focusing on collection, processing, or distribution. This system presents a challenge to systematic monitoring since data about blood component production and exposure are needed in the context of other patient data representing prior clinical constellation such as indication and comorbidities, and the outcome consequences.
To address these challenges, a network of databases in OMOP CDM was established for the BEST Initiative, allowing identification of patients with exposure to blood components. These databases are derived from these EHR databases:
- Columbia University Medical Center
- Regenstrief Institute
- Colorado UC Health System

Background:

This study is focused on using a labeling and identification system called Information Standard for Blood and Transplant (ISBT) 128. ISBT 128 codes are designed to make medical products of human origin collected at one facility easily managed and read by a different facility. Currently, in the U.S., the governing rules regarding labeling of blood and blood component products are in the Code of Federal Regulations. The FDA does not require ISBT 128 for blood and blood component product labeling in the U.S.; however, the FDA does require that certain information, typically included on ISBT 128 labels, such as the product code and the unique facility identifier, be included on blood and blood component labels. While the FDA does not require ISBT 128, the American Association of Blood Banks (AABB), a leader in the development of standards in blood and blood component collection, processing, and transfusion, does require that blood and blood components be labeled using ISBT 128 at AABB-accredited facilities in and outside of the U.S.¹ ISBT 128 codes summarize all information about the component's Class (e.g. red blood cells), Modifiers (e.g. thawed), and Attributes including Core Conditions (e.g. anticoagulant).² ISBT 128 records from blood banks have the potential to significantly improve the ability to define exposures and blood products for several reasons:
1. ISBT 128 allows studying blood components at greater detail than the rather generic procedure codes.
2. The procedure codes are subject to billing rules, which generally tend to suppress detailed activities that are part of larger procedures. For example, blood transfusions administered to patients receiving trauma care or large surgeries are generally not listed, even when such transfusions happened.³

Study Specifications: [Study Specifications](#)

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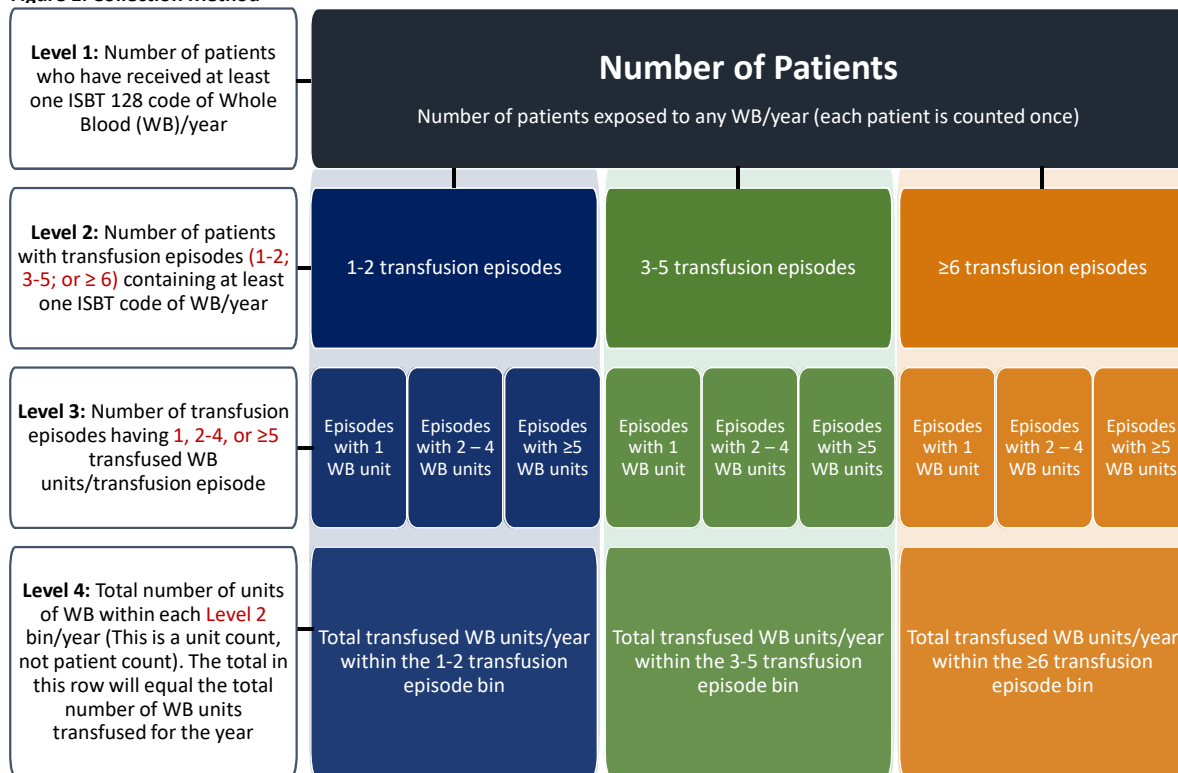
References:

- ¹"United States Industry Consensus Standard for the Uniform Labeling of Blood and Blood Components Using ISBT 128." Version 3.0.0 (2013). <<https://www.iccbba.org/uploads/4a/e3/4ae3b3fd95bae57d4ee0f58ab6c5874f/IG-002-US-Consensus-Standard-Blood-v3.0.0.pdf>>.
- ²"Standard Terminology for Medical Products of Human Origin For Use with Product Description Code Database." Version 7.17 (2018). <<https://www.iccbba.org/uploads/b5/ad/b5ad322bf583e86dd87727c07cde231/Standard-Terminology-for-Medical-Products-of-Human-Origin-v7.17.pdf>>.
- ³U.S. Centers for Medicare & Medicaid Services. National Correct Coding Initiative Edits - PTP Coding Edits. (2018). <<https://www.cms.gov/Medicare/Coding/NationalCorrectCodingInitEd/NCCI-Coding-Edits.html>>.

Study Specifications

File:	Hemovigilance Study_Exposures_Query Specs
Date:	8/3/2020
Objective:	To conduct a feasibility analysis to estimate the incidence of blood components
Data Source:	Data Partner 1 Collection Method queries executed on 5/16/2019 Modification Method queries executed on 5/16/2019
Years:	1/1/2012 - 12/31/2018
Exposure Population:	All patients with at least one day of enrollment or at least one health encounter in each calendar year within the study period. Number of ISBT 128 code counts of the blood component of interest within the transfusion episode bin in a given year. If transfusion of a specific blood component is given on day #1 (1 unit), day #45 (4 units) and day #46 (10 units), this counts as 15 transfused units of specific blood component within the 2-5 transfusion episode bin. This measurement is at the transfused unit level, it does NOT count patients.
Units Count:	
Specifications:	

Collection Method
Figure 1. Collection Method



Modification Method
Table 1. Modification Method

Number of unique patients with at least one ISBT code with the specified whole blood (WB) modification (irrespective of all other products received)	Number of transfused units/year with the specified whole blood (WB) modification (Not patient level count)
That is Leukocyte-reduced	Total # of Leukocyte-reduced units
That is NOT Leukocyte-reduced	Total # of NOT Leukocyte-reduced units

Data Partner 1 had 0 counts for WB across all units of analysis. Therefore, no graphs are included in the Final Report.

isbt_class	concept_id	concept_name	concept_code	valid_start_date	valid_end_date	leukoreduce
iPSC, WHOLE BLOOD	916968	iPSC, WHOLE BLOOD NS/XX/<=150C For further processing 10% DMSO Cryopreserved Cultured:Yes	S3793	10/25/2018	12/31/2099	
WHOLE BLOOD	594244	WHOLE BLOOD ACD-B/300mL/refg Irradiated ResLeu:<3.8E6	E9508	1/30/2019	12/31/2099	leukocyte-reduced
WHOLE BLOOD	594245	WHOLE BLOOD ACD-B/300mL/refg ResLeu:<3.8E6	E9507	1/30/2019	12/31/2099	leukocyte-reduced
WHOLE BLOOD	594246	WHOLE BLOOD ACD-B/300mL/refg Irradiated	E9506	1/30/2019	12/31/2099	
WHOLE BLOOD	594247	WHOLE BLOOD ACD-B/300mL/refg	E9505	1/30/2019	12/31/2099	
WHOLE BLOOD	42666117	WHOLE BLOOD CPD/450mL/refg Not for tx or mnf	E0012	7/19/1996	12/31/2099	
WHOLE BLOOD	42666118	WHOLE BLOOD CPD/450mL/refg Open	E0013	7/19/1996	12/31/2099	
WHOLE BLOOD	42666119	WHOLE BLOOD CPD/450mL/refg Open Irradiated	E0014	7/19/1996	12/31/2099	
WHOLE BLOOD	42666120	WHOLE BLOOD CPD/450mL/refg Open Irradiated ResLeu:<5E6	E0015	7/19/1996	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42666121	WHOLE BLOOD CPD/450mL/refg Open ResLeu:<5E6	E0016	7/19/1996	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42666122	WHOLE BLOOD CPD/450mL/refg Irradiated	E0017	7/19/1996	12/31/2099	
WHOLE BLOOD	42666123	WHOLE BLOOD CPD/450mL/refg Irradiated ResLeu:<5E6	E0018	7/19/1996	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42666124	WHOLE BLOOD CPD/450mL/refg ResLeu:<5E6	E0019	7/19/1996	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42666125	WHOLE BLOOD CPD/450mL/refg Cryo reduced	E0020	7/19/1996	12/31/2099	
WHOLE BLOOD	42666126	WHOLE BLOOD CPD/450mL/refg Plts reduced	E0021	7/19/1996	12/31/2099	
WHOLE BLOOD	42666127	WHOLE BLOOD CPD/450mL/refg Plts/Cryo reduced	E0022	7/19/1996	12/31/2099	
WHOLE BLOOD	42666128	WHOLE BLOOD CPD/500mL/refg	E0023	7/19/1996	12/31/2099	
WHOLE BLOOD	42666129	WHOLE BLOOD CPD/500mL/refg For mnf:injectable	E0024	7/19/1996	12/31/2099	
WHOLE BLOOD	42666130	WHOLE BLOOD CPD/500mL/refg For mnf:noninjectable	E0025	7/19/1996	12/31/2099	
WHOLE BLOOD	42666131	WHOLE BLOOD CPD/500mL/refg Not for tx or mnf	E0026	7/19/1996	12/31/2099	
WHOLE BLOOD	42666132	WHOLE BLOOD CPD/500mL/refg Open	E0027	7/19/1996	12/31/2099	
WHOLE BLOOD	42666133	WHOLE BLOOD CPD/500mL/refg Open Irradiated	E0028	7/19/1996	12/31/2099	
WHOLE BLOOD	42666134	WHOLE BLOOD CPD/500mL/refg Open Irradiated ResLeu:<5E6	E0029	7/19/1996	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42666135	WHOLE BLOOD CPD/500mL/refg Open ResLeu:<5E6	E0030	7/19/1996	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42666136	WHOLE BLOOD CPD/500mL/refg Irradiated	E0031	7/19/1996	12/31/2099	
WHOLE BLOOD	42666137	WHOLE BLOOD CPD/500mL/refg Irradiated ResLeu:<5E6	E0032	7/19/1996	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42666138	WHOLE BLOOD CPD/500mL/refg ResLeu:<5E6	E0033	7/19/1996	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42666139	WHOLE BLOOD CPD/500mL/refg Cryo reduced	E0034	7/19/1996	12/31/2099	
WHOLE BLOOD	42666140	WHOLE BLOOD CPD/500mL/refg Plts reduced	E0035	7/19/1996	12/31/2099	
WHOLE BLOOD	42666141	WHOLE BLOOD CPD/500mL/refg Plts/Cryo reduced	E0036	7/19/1996	12/31/2099	
WHOLE BLOOD	42666142	WHOLE BLOOD CPD/250mL/refg	E0037	7/19/1996	12/31/2099	
WHOLE BLOOD	42666143	WHOLE BLOOD CPD/250mL/refg For mnf:injectable	E0038	7/19/1996	12/31/2099	
WHOLE BLOOD	42666144	WHOLE BLOOD CPD/250mL/refg For mnf:noninjectable	E0039	7/19/1996	12/31/2099	
WHOLE BLOOD	42666145	WHOLE BLOOD CPD/250mL/refg Not for tx or mnf	E0040	7/19/1996	12/31/2099	
WHOLE BLOOD	42666146	WHOLE BLOOD CPD/250mL/refg Open	E0041	7/19/1996	12/31/2099	
WHOLE BLOOD	42666147	WHOLE BLOOD CPD/250mL/refg Open Irradiated	E0042	7/19/1996	12/31/2099	
WHOLE BLOOD	42666148	WHOLE BLOOD CPD/250mL/refg Open Irradiated ResLeu:<5E6	E0043	7/19/1996	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42666149	WHOLE BLOOD CPD/250mL/refg Open ResLeu:<5E6	E0044	7/19/1996	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42666150	WHOLE BLOOD CPD/250mL/refg Irradiated	E0045	7/19/1996	12/31/2099	
WHOLE BLOOD	42666151	WHOLE BLOOD CPD/250mL/refg Irradiated ResLeu:<5E6	E0046	7/19/1996	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42666152	WHOLE BLOOD CPD/250mL/refg ResLeu:<5E6	E0047	7/19/1996	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42666153	WHOLE BLOOD CPD/XX/refg	E0048	7/19/1996	12/31/2099	
WHOLE BLOOD	42666154	WHOLE BLOOD CPD/XX/refg For mnf:injectable	E0049	7/19/1996	12/31/2099	
WHOLE BLOOD	42666155	WHOLE BLOOD CPD/XX/refg For mnf:noninjectable	E0050	7/19/1996	12/31/2099	
WHOLE BLOOD	42666156	WHOLE BLOOD CPD/XX/refg Not for tx or mnf	E0051	7/19/1996	12/31/2099	
WHOLE BLOOD	42666157	WHOLE BLOOD CPD/XX/refg LowVol:anticoag not adj	E0052	7/19/1996	12/31/2099	
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WHOLE BLOOD	42666166	WHOLE BLOOD CPDA-1/450mL/refg Irradiated	E0061	7/19/1996	12/31/2099	
WHOLE BLOOD	42666167	WHOLE BLOOD CPDA-1/450mL/refg Irradiated ResLeu:<5E6	E0062	7/19/1996	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42666168	WHOLE BLOOD CPDA-1/450mL/refg ResLeu:<5E6	E0063	7/19/1996	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42666169	WHOLE BLOOD CPDA-1/450mL/refg Cryo reduced	E0064	7/19/1996	12/31/2099	
WHOLE BLOOD	42666170	WHOLE BLOOD CPDA-1/450mL/refg Plts reduced	E0065	7/19/1996	12/31/2099	
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WHOLE BLOOD	42666174	WHOLE BLOOD CPDA-1/500mL/refg For mnf:injectable	E0069	7/19/1996	12/31/2099	
WHOLE BLOOD	42666175	WHOLE BLOOD CPDA-1/500mL/refg For mnf:noninjectable	E0070	7/19/1996	12/31/2099	
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WHOLE BLOOD	42666180	WHOLE BLOOD CPDA-1/500mL/refg Open ResLeu:<5E6	E0075	7/19/1996	12/31/2099	leukocyte-reduced
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WHOLE BLOOD	42666189	WHOLE BLOOD CPDA-1/250mL/refg For mnf:noninjectable	E0084	7/19/1996	12/31/2099	
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WHOLE BLOOD	42666192	WHOLE BLOOD CPDA-1/250mL/refg Open Irradiated	E0087	7/19/1996	12/31/2099	
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WHOLE BLOOD	42666194	WHOLE BLOOD CPDA-1/250mL/refg Open ResLeu:<5E6	E0089	7/19/1996	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42666195	WHOLE BLOOD CPDA-1/250mL/refg Irradiated	E0090	7/19/1996	12/31/2099	
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WHOLE BLOOD	42666199	WHOLE BLOOD CPDA-1/XX/refg For mnf:injectable	E0094	7/19/1996	12/31/2099	
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WHOLE BLOOD	42666209	WHOLE BLOOD CP2D/450mL/refg Open Irradiated ResLeu:<5E6	E0104	7/19/1996	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42666210	WHOLE BLOOD CP2D/450mL/refg Open ResLeu:<5E6	E0105	7/19/1996	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42666211	WHOLE BLOOD CP2D/450mL/refg Irradiated	E0106	7/19/1996	12/31/2099	
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WHOLE BLOOD	42666213	WHOLE BLOOD CP2D/450mL/refg ResLeu:<5E6	E0108	7/19/1996	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42666214	WHOLE BLOOD CP2D/450mL/refg Cryo reduced	E0109	7/19/1996	12/31/2099	
WHOLE BLOOD	42666215	WHOLE BLOOD CP2D/450mL/refg Plts reduced	E0110	7/19/1996	12/31/2099	
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WHOLE BLOOD	42666218	WHOLE BLOOD CP2D/500mL/refg For mnf:injectable	E0113	7/19/1996	12/31/2099	
WHOLE BLOOD	42666219	WHOLE BLOOD CP2D/500mL/refg For mnf:noninjectable	E0114	7/19/1996	12/31/2099	
WHOLE BLOOD	42666220	WHOLE BLOOD CP2D/500mL/refg Not for tx or mnf	E0115	7/19/1996	12/31/2099	
WHOLE BLOOD	42666221	WHOLE BLOOD CP2D/500mL/refg Open	E0116	7/19/1996	12/31/2099	
WHOLE BLOOD	42666222	WHOLE BLOOD CP2D/500mL/refg Open Irradiated	E0117	7/19/1996	12/31/2099	
WHOLE BLOOD	42666223	WHOLE BLOOD CP2D/500mL/refg Open Irradiated ResLeu:<5E6	E0118	7/19/1996	12/31/2099	leukocyte-reduced
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WHOLE BLOOD	42666227	WHOLE BLOOD CP2D/500mL/refg ResLeu:<5E6	E0122	7/19/1996	12/31/2099	leukocyte-reduced
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WHOLE BLOOD	42666230	WHOLE BLOOD CP2D/500mL/refg Plts/Cryo reduced	E0125	7/19/1996	12/31/2099	
WHOLE BLOOD	42666231	WHOLE BLOOD CP2D/XX/refg	E0126	7/19/1996	12/31/2099	
WHOLE BLOOD	42666232	WHOLE BLOOD CP2D/XX/refg For mnf:injectable	E0127	7/19/1996	12/31/2099	
WHOLE BLOOD	42666233	WHOLE BLOOD CP2D/XX/refg For mnf:noninjectable	E0128	7/19/1996	12/31/2099	
WHOLE BLOOD	42666234	WHOLE BLOOD CP2D/XX/refg Not for tx or mnf	E0129	7/19/1996	12/31/2099	
WHOLE BLOOD	42666235	WHOLE BLOOD CP2D/XX/refg LowVol:anticoag not adj	E0130	7/19/1996	12/31/2099	
WHOLE BLOOD	42666236	WHOLE BLOOD CP2D/450mL/refg	E0131	12/13/2011	12/31/2099	
WHOLE BLOOD	42666237	WHOLE BLOOD CP2D/450mL/refg For mnf:injectable	E0132	12/13/2011	12/31/2099	
WHOLE BLOOD	42666238	WHOLE BLOOD CP2D/450mL/refg For mnf:noninjectable	E0133	12/13/2011	12/31/2099	
WHOLE BLOOD	42666239	WHOLE BLOOD CP2D/450mL/refg Not for tx or mnf	E0134	12/13/2011	12/31/2099	
WHOLE BLOOD	42666240	WHOLE BLOOD Heparin/450mL/refg	E0135	7/19/1996	12/31/2099	
WHOLE BLOOD	42666241	WHOLE BLOOD Heparin/450mL/refg Not for tx or mnf	E0136	7/19/1996	12/31/2099	
WHOLE BLOOD	42666242	WHOLE BLOOD Heparin/500mL/refg	E0137	7/19/1996	12/31/2099	
WHOLE BLOOD	42666243	WHOLE BLOOD Heparin/500mL/refg Not for tx or mnf	E0138	7/19/1996	12/31/2099	
WHOLE BLOOD	42666244	WHOLE BLOOD None/450mL/refg For mnf:injectable	E0139	7/19/1996	12/31/2099	
WHOLE BLOOD	42666245	WHOLE BLOOD None/450mL/refg For mnf:noninjectable	E0140	7/19/1996	12/31/2099	
WHOLE BLOOD	42666246	WHOLE BLOOD None/450mL/refg Not for tx or mnf	E0141	7/19/1996	12/31/2099	
WHOLE BLOOD	42666457	WHOLE BLOOD ACD-A/450mL/refg	E0001	7/19/1996	12/31/2099	
WHOLE BLOOD	42666458	WHOLE BLOOD ACD-A/450mL/refg For mnf:injectable	E0002	7/19/1996	12/31/2099	
WHOLE BLOOD	42666459	WHOLE BLOOD ACD-A/450mL/refg For mnf:noninjectable	E0003	7/19/1996	12/31/2099	
WHOLE BLOOD	42666460	WHOLE BLOOD ACD-A/450mL/refg Not for tx or mnf	E0004	7/19/1996	12/31/2099	
WHOLE BLOOD	42666461	WHOLE BLOOD ACD-B/450mL/refg	E0005	7/19/1996	12/31/2099	
WHOLE BLOOD	42666462	WHOLE BLOOD ACD-B/450mL/refg For mnf:injectable	E0006	7/19/1996	12/31/2099	
WHOLE BLOOD	42666463	WHOLE BLOOD ACD-B/450mL/refg For mnf:noninjectable	E0007	7/19/1996	12/31/2099	
WHOLE BLOOD	42666464	WHOLE BLOOD ACD-B/450mL/refg Not for tx or mnf	E0008	7/19/1996	12/31/2099	
WHOLE BLOOD	42666465	WHOLE BLOOD CPD/450mL/refg	E0009	7/19/1996	12/31/2099	
WHOLE BLOOD	42666466	WHOLE BLOOD CPD/450mL/refg For mnf:injectable	E0010	7/19/1996	12/31/2099	
WHOLE BLOOD	42666467	WHOLE BLOOD CPD/450mL/refg For mnf:noninjectable	E0011	7/19/1996	12/31/2099	
WHOLE BLOOD	42670058	WHOLE BLOOD Heparin/450mL/refg Irradiated	E3842	5/20/1999	12/31/2099	
WHOLE BLOOD	42670324	WHOLE BLOOD CPD/XX/refg LowVol:anticoag adj	E4150	1/11/2002	12/31/2099	
WHOLE BLOOD	42670325	WHOLE BLOOD CPDA-1/450mL/refg LowVol:anticoag adj	E4151	1/11/2002	12/31/2099	
WHOLE BLOOD	42670326	WHOLE BLOOD CPDA-1/XX/refg LowVol:anticoag adj	E4152	1/11/2002	12/31/2099	
WHOLE BLOOD	42670327	WHOLE BLOOD CP2D/XX/refg LowVol:anticoag adj	E4153	1/11/2002	12/31/2099	
WHOLE BLOOD	42670381	WHOLE BLOOD CPD/450mL/20-24C	E4207	9/18/2002	12/31/2099	
WHOLE BLOOD	42670382	WHOLE BLOOD CPD/450mL/20-24C Irradiated	E4208	9/18/2002	12/31/2099	
WHOLE BLOOD	42670383	WHOLE BLOOD CPD/450mL/refg ResLeu:<1E6	E4209	9/18/2002	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42670618	WHOLE BLOOD CPDA-1/450mL/refg ResLeu:<1E6	E4396	9/25/2002	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42670830	WHOLE BLOOD CPDA-1/450mL/refg Irradiated ResLeu:<1E6	E5064	4/11/2005	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42670842	WHOLE BLOOD CPDA-1/300mL/refg	E5076	5/14/2005	12/31/2099	
WHOLE BLOOD	42670898	WHOLE BLOOD CPD/XX/refg Irradiated LowVol:anticoag not adj	E5013	4/11/2005	12/31/2099	
WHOLE BLOOD	42670899	WHOLE BLOOD CPD/XX/refg Irradiated LowVol:anticoag adj	E5014	4/11/2005	12/31/2099	
WHOLE BLOOD	42670900	WHOLE BLOOD CPDA-1/XX/refg Irradiated LowVol:anticoag not adj	E5015	4/11/2005	12/31/2099	
WHOLE BLOOD	42670901	WHOLE BLOOD CPDA-1/XX/refg Irradiated LowVol:anticoag adj	E5016	4/11/2005	12/31/2099	
WHOLE BLOOD	42671237	WHOLE BLOOD CPDA-1/XX/refg Irradiated	E5373	11/1/2006	12/31/2099	
WHOLE BLOOD	42671238	WHOLE BLOOD CPDA-1/300mL/refg Irradiated	E5374	11/1/2006	12/31/2099	
WHOLE BLOOD	42671283	WHOLE BLOOD CPDA-1/XX/refg Irradiated ResLeu:<5E6 LowVol:anticoag not adj	E5120	5/14/2005	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42671284	WHOLE BLOOD CPDA-1/XX/refg Irradiated ResLeu:<5E6 LowVol:anticoag adj	E5121	5/14/2005	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42671291	WHOLE BLOOD CPDA-1/350mL/refg	E5128	7/12/2005	12/31/2099	
WHOLE BLOOD	42671497	WHOLE BLOOD CP2D/450mL/refg Not for tx or mnf LowVol:anticoag not adj	E5334	6/1/2006	12/31/2099	
WHOLE BLOOD	42671519	WHOLE BLOOD CPDA-1/350mL/refg ResLeu:<1E6	E5356	7/1/2006	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42671520	WHOLE BLOOD CPDA-1/350mL/refg Irradiated ResLeu:<1E6	E5357	7/1/2006	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42671671	WHOLE BLOOD CP2D/XX/refg Irradiated LowVol:anticoag adj	E5559	4/24/2007	12/31/2099	
WHOLE BLOOD	42671672	WHOLE BLOOD CPD/XX/refg ResLeu:<5E6 LowVol:anticoag adj	E5560	4/24/2007	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42671673	WHOLE BLOOD CP2D/XX/refg ResLeu:<5E6 LowVol:anticoag adj	E5561	4/24/2007	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42671674	WHOLE BLOOD CPD/XX/refg Irradiated ResLeu:<5E6 LowVol:anticoag adj	E5562	4/24/2007	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42671675	WHOLE BLOOD CP2D/XX/refg Irradiated ResLeu:<5E6 LowVol:anticoag adj	E5563	4/24/2007	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42671676	WHOLE BLOOD CP2D/XX/refg Irradiated LowVol:anticoag not adj	E5564	4/24/2007	12/31/2099	
WHOLE BLOOD	42671677	WHOLE BLOOD CPD/XX/refg ResLeu:<5E6 LowVol:anticoag not adj	E5565	4/24/2007	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42671678	WHOLE BLOOD CPDA-1/XX/refg ResLeu:<5E6 LowVol:anticoag not adj	E5566	4/24/2007	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42671679	WHOLE BLOOD CP2D/XX/refg ResLeu:<5E6 LowVol:anticoag not adj	E5567	4/24/2007	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42671680	WHOLE BLOOD CPD/XX/refg Irradiated ResLeu:<5E6 LowVol:anticoag not adj	E5568	4/24/2007	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42671739	WHOLE BLOOD CP2D/XX/refg Irradiated ResLeu:<5E6 LowVol:anticoag not adj	E5569	4/24/2007	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42671754	WHOLE BLOOD CPD/450mL/refg Irradiated ResLeu:<1E6	E5584	5/30/2007	12/31/2099	leukocyte-reduced

WHOLE BLOOD	42671782	WHOLE BLOOD CPDA-1/XX/refg ResLeu:<5E6 LowVol:anticoag adj	E5612	7/10/2007	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42671785	WHOLE BLOOD CPDA-1/500mL/refg Not for tx or mnf ResLeu:<5E6	E5615	7/10/2007	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42671786	WHOLE BLOOD CPD/500mL/refg Not for tx or mnf ResLeu:<5E6	E5616	7/10/2007	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42671947	WHOLE BLOOD ACD-B/200mL/refg	E5432	2/15/2007	12/31/2099	
WHOLE BLOOD	42671948	WHOLE BLOOD ACD-B/400mL/refg	E5433	2/15/2007	12/31/2099	
WHOLE BLOOD	42671949	WHOLE BLOOD ACD-B/200mL/refg ResLeu:<2.5E6	E5434	2/15/2007	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42671950	WHOLE BLOOD ACD-B/400mL/refg ResLeu:<5E6	E5435	2/15/2007	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42671951	WHOLE BLOOD ACD-B/200mL/refg Irradiated	E5436	2/15/2007	12/31/2099	
WHOLE BLOOD	42671952	WHOLE BLOOD ACD-B/400mL/refg Irradiated	E5437	2/15/2007	12/31/2099	
WHOLE BLOOD	42671953	WHOLE BLOOD ACD-B/200mL/refg Irradiated ResLeu:<2.5E6	E5438	2/15/2007	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42671954	WHOLE BLOOD ACD-B/400mL/refg Irradiated ResLeu:<5E6	E5439	2/15/2007	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42674228	WHOLE BLOOD None/500mL/rt Not for tx or mnf	E6390	3/2/2009	12/31/2099	
WHOLE BLOOD	42674418	WHOLE BLOOD NS/XX/refg	E8553	6/19/2015	12/31/2099	
WHOLE BLOOD	42675723	WHOLE BLOOD CPD/450mL/refg ResLeu:<1E6,WB filtr	E6468	7/1/2009	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42676702	WHOLE BLOOD NS/XX/refg For mnf:injectable	E6077	7/1/2008	12/31/2099	
WHOLE BLOOD	42677129	WHOLE BLOOD CPD/XX/refg Irradiated	E8284	9/2/2014	12/31/2099	
WHOLE BLOOD	42677359	WHOLE BLOOD CPD/XX/refg Open LowVol:anticoag adj	E5895	4/1/2008	12/31/2099	
WHOLE BLOOD	42677371	WHOLE BLOOD Heparin/450mL/refg ResLeu:<5E6	E8328	10/20/2014	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42677560	WHOLE BLOOD None/500mL/rt For mnf:noninjectable	E8080	11/26/2013	12/31/2099	
WHOLE BLOOD	42677649	WHOLE BLOOD CPDA-1/XX/refg Not for tx or mnf ResLeu:<5E6	E9031	4/7/2017	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42677650	WHOLE BLOOD CPDA-1/XX/refg For mnf:noninjectable ResLeu:<5E6	E9032	4/7/2017	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42677651	WHOLE BLOOD CPDA-1/XX/refg For mnf:injectable ResLeu:<5E6	E9033	4/7/2017	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42677652	WHOLE BLOOD CPD/XX/refg Not for tx or mnf ResLeu:<5E6	E9034	4/7/2017	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42677653	WHOLE BLOOD CPD/XX/refg For mnf:noninjectable ResLeu:<5E6	E9035	4/7/2017	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42677654	WHOLE BLOOD CPD/XX/refg For mnf:injectable ResLeu:<5E6	E9036	4/7/2017	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42677852	WHOLE BLOOD CPD/500mL/20-24C Not for tx or mnf	E7562	5/4/2012	12/31/2099	
WHOLE BLOOD	42677853	WHOLE BLOOD CPDA-1/500mL/20-24C Not for tx or mnf	E7563	5/4/2012	12/31/2099	
WHOLE BLOOD	42678262	WHOLE BLOOD CPDA-1/XX/refg Open LowVol:anticoag not adj	E7611	9/14/2012	12/31/2099	
WHOLE BLOOD	42678335	WHOLE BLOOD CPD/450mL/refg ResLeu:<1E6 Plasma reduced	E9086	6/28/2017	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42678336	WHOLE BLOOD CPD/450mL/refg Irradiated ResLeu:<1E6 Plasma reduced	E9087	6/28/2017	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42678401	WHOLE BLOOD CPD/350mL/refg	E6507	8/3/2009	12/31/2099	
WHOLE BLOOD	42678402	WHOLE BLOOD CPD/350mL/refg ResLeu:<1E6	E6508	8/3/2009	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42678403	WHOLE BLOOD CPD/350mL/refg Irradiated ResLeu:<1E6	E6509	8/3/2009	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42678492	WHOLE BLOOD CPDA-1/500mL/refg For mnf:noninjectable ResLeu:<5E6	E7580	6/18/2012	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42678493	WHOLE BLOOD CPD/500mL/refg For mnf:noninjectable ResLeu:<5E6	E7581	6/18/2012	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42678634	WHOLE BLOOD NS/500mL/refg For mnf:noninjectable	E8647	12/3/2015	12/31/2099	
WHOLE BLOOD	42678648	WHOLE BLOOD CPD/500mL/rt For mnf:injectable	E8661	12/3/2015	12/31/2099	
WHOLE BLOOD	42678649	WHOLE BLOOD CPD/500mL/refg For mnf:injectable ResLeu:<1E6	E8662	12/3/2015	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42678718	WHOLE BLOOD CPD/350mL/refg Irradiated	E7424	9/6/2011	12/31/2099	
WHOLE BLOOD	42678858	WHOLE BLOOD CPDA-1/XX/refg Not for tx or mnf ResLeu:<5E6 LowVol:anticoag not adj	E7173	12/3/2010	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42678859	WHOLE BLOOD CPDA-1/XX/refg Not for tx or mnf ResLeu:<5E6 LowVol:anticoag adj	E7174	12/3/2010	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42678860	WHOLE BLOOD CPDA-1/XX/refg Not for tx or mnf LowVol:anticoag not adj	E7175	12/3/2010	12/31/2099	
WHOLE BLOOD	42678861	WHOLE BLOOD CPDA-1/XX/refg Not for tx or mnf LowVol:anticoag adj	E7176	12/3/2010	12/31/2099	
WHOLE BLOOD	42678862	WHOLE BLOOD CPD/XX/refg Not for tx or mnf ResLeu:<5E6 LowVol:anticoag not adj	E7177	12/3/2010	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42678863	WHOLE BLOOD CPD/XX/refg Not for tx or mnf ResLeu:<5E6 LowVol:anticoag adj	E7178	12/3/2010	12/31/2099	leukocyte-reduced
WHOLE BLOOD	42678864	WHOLE BLOOD CPD/XX/refg Not for tx or mnf LowVol:anticoag not adj	E7179	12/3/2010	12/31/2099	
WHOLE BLOOD	42678865	WHOLE BLOOD CPD/XX/refg Not for tx or mnf LowVol:anticoag adj	E7180	12/3/2010	12/31/2099	
WHOLE BLOOD	42679114	WHOLE BLOOD CPD/XX/refg Not for tx or mnf LowVol:anticoag not adj	E7963	6/12/2013	12/31/2099	
WHOLE BLOOD	42679590	WHOLE BLOOD CPDA-1/450mL/20-24C	E6024	5/1/2008	12/31/2099	
WHOLE BLOOD	42679609	WHOLE BLOOD CPDA-1/500mL/refg Plasma reduced	E6043	6/1/2008	12/31/2099	
WHOLE BLOOD	42679610	WHOLE BLOOD CPDA-1/500mL/refg Irradiated Plasma reduced	E6044	6/1/2008	12/31/2099	
WHOLE BLOOD	42679611	WHOLE BLOOD CPD/500mL/refg Plasma reduced	E6045	6/1/2008	12/31/2099	
WHOLE BLOOD	42679612	WHOLE BLOOD CPD/500mL/refg Irradiated Plasma reduced	E6046	6/1/2008	12/31/2099	
WHOLE BLOOD	42679613	WHOLE BLOOD CPDA-1/XX/refg Plasma reduced LowVol:anticoag not adj	E6047	6/1/2008	12/31/2099	
WHOLE BLOOD	42679614	WHOLE BLOOD CPD/XX/refg Plasma reduced LowVol:anticoag not adj	E6048	6/1/2008	12/31/2099	
WHOLE BLOOD	42679751	WHOLE BLOOD CPD/XX/refg Open LowVol:anticoag not adj	E5807	2/1/2008	12/31/2099	
HPC, WHOLE BLOOD	766647	HPC, WHOLE BLOOD NS/XX/<=-150C 5% DMSO 3rd Party Comp:Yes Other Additives:Yes Cryopreserved	S3834	2/27/2019	12/31/2099	
HPC, WHOLE BLOOD	766648	HPC, WHOLE BLOOD NS/XX/<=-150C 5% DMSO Cryopreserved	S3833	2/27/2019	12/31/2099	
HPC, WHOLE BLOOD	766649	HPC, WHOLE BLOOD None/XX/refg 5% DMSO 3rd Party Comp:Yes Other Additives:Yes Thawed	S3832	2/27/2019	12/31/2099	
HPC, WHOLE BLOOD	943141	HPC, WHOLE BLOOD NS/XX/<=-150C 10% DMSO Other Additives:Yes Cryopreserved Buffy coat enriched	S3797	11/29/2018	12/31/2099	
HPC, WHOLE BLOOD	42671996	HPC, WHOLE BLOOD Citrate/XX/refg	S1358	2/2/2009	12/31/2099	
HPC, WHOLE BLOOD	42671997	HPC, WHOLE BLOOD Citrate/XX/rt	S1359	2/2/2009	12/31/2099	
HPC, WHOLE BLOOD	42671998	HPC, WHOLE BLOOD Citrate/XX/refg 3rd Party Comp:Yes	S1360	2/2/2009	12/31/2099	
HPC, WHOLE BLOOD	42671999	HPC, WHOLE BLOOD Citrate/XX/rt 3rd Party Comp:Yes	S1361	2/2/2009	12/31/2099	
HPC, WHOLE BLOOD	42672000	HPC, WHOLE BLOOD NS/XX/<=-120C 10% DMSO Cryopreserved Buffy coat enriched	S1362	2/2/2009	12/31/2099	
HPC, WHOLE BLOOD	42672001	HPC, WHOLE BLOOD NS/XX/<=-120C 5% DMSO Cryopreserved Buffy coat enriched	S1363	2/2/2009	12/31/2099	
HPC, WHOLE BLOOD	42672002	HPC, WHOLE BLOOD NS/XX/<=-120C 10% DMSO 3rd Party Comp:Yes Cryopreserved Buffy coat enriched	S1364	2/2/2009	12/31/2099	
HPC, WHOLE BLOOD	42672003	HPC, WHOLE BLOOD NS/XX/<=-120C 5% DMSO 3rd Party Comp:Yes Cryopreserved Buffy coat enriched	S1365	2/2/2009	12/31/2099	
HPC, WHOLE BLOOD	42672004	HPC, WHOLE BLOOD NS/XX/rt Thawed Washed Buffy coat enriched	S1366	2/2/2009	12/31/2099	
HPC, WHOLE BLOOD	42672005	HPC, WHOLE BLOOD NS/XX/rt 3rd Party Comp:Yes Thawed Washed Buffy coat enriched	S1367	2/2/2009	12/31/2099	
HPC, WHOLE BLOOD	42672436	HPC, WHOLE BLOOD NS/XX/rt Buffy coat enriched	S1480	4/5/2010	12/31/2099	
HPC, WHOLE BLOOD	42673885	HPC, WHOLE BLOOD Citrate/XX/<=-150C 10% DMSO 3rd Party Comp:Yes Other Additives:Yes Cryopreser	S2906	6/19/2015	12/31/2099	
HPC, WHOLE BLOOD	42674309	HPC, WHOLE BLOOD NS/XX/<=-150C 10% DMSO Cryopreserved Mobilized	S2317	10/24/2013	12/31/2099	
HPC, WHOLE BLOOD	42674310	HPC, WHOLE BLOOD NS/XX/refg Mobilized	S2318	10/24/2013	12/31/2099	
HPC, WHOLE BLOOD	42674489	HPC, WHOLE BLOOD Citrate/XX/<=-150C 10% DMSO 3rd Party Comp:Yes Other Additives:Yes Cryopreser	S2724	10/20/2014	12/31/2099	
HPC, WHOLE BLOOD	42674963	HPC, WHOLE BLOOD NS/XX/<=-150C 10% DMSO Cryopreserved	S2351	10/24/2013	12/31/2099	
HPC, WHOLE BLOOD	42674964	HPC, WHOLE BLOOD NS/XX/refg	S2352	10/24/2013	12/31/2099	
HPC, WHOLE BLOOD	42675225	HPC, WHOLE BLOOD Citrate/XX/rt For further processing	S2962	9/29/2015	12/31/2099	
HPC, WHOLE BLOOD	42677019	HPC, WHOLE BLOOD CPD/XX/refg Open 4th container Mobilized	S0635	4/4/2003	12/31/2099	
HPC, WHOLE BLOOD	42677020	HPC, WHOLE BLOOD CPD/XX/rt Open 1st container Mobilized	S0636	4/4/2003	12/31/2099	
HPC, WHOLE BLOOD	42677021	HPC, WHOLE BLOOD CPD/XX/rt Open 2nd container Mobilized	S0637	4/4/2003	12/31/2099	
HPC, WHOLE BLOOD	42677022	HPC, WHOLE BLOOD CPD/XX/rt Open 3rd container Mobilized	S0638	4/4/2003	12/31/2099	
HPC, WHOLE BLOOD	42677023	HPC, WHOLE BLOOD CPD/XX/rt Open 4th container Mobilized	S0639	4/4/2003	12/31/2099	
HPC, WHOLE BLOOD	42677024	HPC, WHOLE BLOOD CPD/XX/refg Open Plasma added 1st container Mobilized	S0640	4/4/2003	12/31/2099	
HPC, WHOLE BLOOD	42677025	HPC, WHOLE BLOOD CPD/XX/refg Open Plasma added 2nd container Mobilized	S0641	4/4/2003	12/31/2099	
HPC, WHOLE BLOOD	42677026	HPC, WHOLE BLOOD CPD/XX/refg Open Plasma added 3rd container Mobilized	S0642	4/4/2003	12/31/2099	
HPC, WHOLE BLOOD	42677027	HPC, WHOLE BLOOD CPD/XX/refg Open Plasma added 4th container Mobilized	S0643	4/4/2003	12/31/2099	
HPC, WHOLE BLOOD	42677028	HPC, WHOLE BLOOD CPD/XX/rt Open Plasma added 1st container Mobilized	S0644	4/4/2003	12/31/2099	
HPC, WHOLE BLOOD	42677029	HPC, WHOLE BLOOD CPD/XX/rt Open Plasma added 2nd container Mobilized	S0645	4/4/2003	12/31/2099	
HPC, WHOLE BLOOD	42677030	HPC, WHOLE BLOOD CPD/XX/rt Open Plasma added 3rd container Mobilized	S0646	4/4/2003	12/31/2099	
HPC, WHOLE BLOOD	42677031	HPC, WHOLE BLOOD CPD/XX/rt Open Plasma added 4th container Mobilized	S0647	4/4/2003	12/31/2099	

T CELLS, WHOLE BLOOD	754070	T CELLS, WHOLE BLOOD None/XX/rt 10% DMSO Other Additives:Yes Genetically Modified:Yes Thawed C	S3656	7/25/2018	12/31/2099
T CELLS, WHOLE BLOOD	754071	T CELLS, WHOLE BLOOD None/XX/rt Other Additives:Yes Cultured:Yes Activated T cell enriched	S3657	7/25/2018	12/31/2099
T CELLS, WHOLE BLOOD	754072	T CELLS, WHOLE BLOOD None/XX/rt Other Additives:Yes Cultured:Yes Tumor specific T cell enriched	S3658	7/25/2018	12/31/2099
T CELLS, WHOLE BLOOD	754073	T CELLS, WHOLE BLOOD None/XX/rt Other Additives:Yes Genetically Modified:Yes Cultured:Yes Activated	S3659	7/25/2018	12/31/2099
T CELLS, WHOLE BLOOD	754074	T CELLS, WHOLE BLOOD None/XX/rt Other Additives:Yes Genetically Modified:Yes Cultured:Yes Tumor sp	S3660	7/25/2018	12/31/2099
T CELLS, WHOLE BLOOD	754081	T CELLS, WHOLE BLOOD NS/XX/refg 3rd Party Comp:Yes Other Additives:Yes Genetically Modified:Yes	S3667	7/25/2018	12/31/2099
T CELLS, WHOLE BLOOD	754082	T CELLS, WHOLE BLOOD NS/XX/refg Other Additives:Yes Genetically Modified:Yes	S3668	7/25/2018	12/31/2099
T CELLS, WHOLE BLOOD	754139	T CELLS, WHOLE BLOOD Citrate/XX/rt Other Additives:Yes	S3725	7/25/2018	12/31/2099
T CELLS, WHOLE BLOOD	40218989	T CELLS, WHOLE BLOOD NS/XX/refg	S3614	4/27/2018	12/31/2099
T CELLS, WHOLE BLOOD	40219023	T CELLS, WHOLE BLOOD None/XX/rt 5% DMSO 3rd Party Comp:Yes Other Additives:Yes Cryopreser	S3580	3/30/2018	12/31/2099
T CELLS, WHOLE BLOOD	40219024	T CELLS, WHOLE BLOOD None/XX/refg NS DMSO 3rd Party Comp:Yes Other Additives:Yes Thawed Cultur	S3579	3/30/2018	12/31/2099
T CELLS, WHOLE BLOOD	40219036	T CELLS, WHOLE BLOOD Citrate/XX/refg Plasma reduced	S3567	2/23/2018	12/31/2099
T CELLS, WHOLE BLOOD	42671731	T CELLS, WHOLE BLOOD NS/XX/rt 10% DMSO Cryopreserved Plasma reduced	S2069	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42671733	T CELLS, WHOLE BLOOD NS/XX/rt 5% DMSO Cryopreserved Plasma reduced	S2071	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42671735	T CELLS, WHOLE BLOOD NS/XX/rt 10% DMSO 3rd Party Comp:Yes Cryopreserved Plasma reduced	S2073	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42671737	T CELLS, WHOLE BLOOD NS/XX/rt 5% DMSO 3rd Party Comp:Yes Cryopreserved Plasma reduced	S2075	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672015	T CELLS, WHOLE BLOOD NS/XX/rt Buffy coat enriched	S2018	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672017	T CELLS, WHOLE BLOOD NS/XX/rt 3rd Party Comp:Yes Buffy coat enriched	S2020	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672019	T CELLS, WHOLE BLOOD NS/XX/rt 10% DMSO Cryopreserved	S2022	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672021	T CELLS, WHOLE BLOOD NS/XX/rt 5% DMSO Cryopreserved	S2024	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672023	T CELLS, WHOLE BLOOD NS/XX/rt 10% DMSO 3rd Party Comp:Yes Cryopreserved	S2026	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672029	T CELLS, WHOLE BLOOD NS/XX/rt Thawed Washed	S2032	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672031	T CELLS, WHOLE BLOOD NS/XX/rt 3rd Party Comp:Yes Thawed Washed	S2034	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672032	T CELLS, WHOLE BLOOD NS/XX/rt 10% DMSO 3rd Party Comp:Yes Other Additives:Yes Cryopreserv	S2035	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672033	T CELLS, WHOLE BLOOD NS/XX/rt Thawed Washed Buffy coat enriched	S2036	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672035	T CELLS, WHOLE BLOOD NS/XX/rt 3rd Party Comp:Yes Thawed Washed Buffy coat enriched	S2038	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672037	T CELLS, WHOLE BLOOD NS/XX/rt 3rd Party Comp:Yes Other Additives:Yes	S2040	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672039	T CELLS, WHOLE BLOOD None/XX/refg Other Additives:Yes Thawed Mononuclear cell enriched	S2042	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672040	T CELLS, WHOLE BLOOD NS/XX/refg 3rd Party Comp:Yes Other Additives:Yes	S2043	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672041	T CELLS, WHOLE BLOOD None/XX/rt Other Additives:Yes Mononuclear cell enriched	S2044	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672043	T CELLS, WHOLE BLOOD None/XX/rt 10% DMSO Other Additives:Yes Cryopreserved	S2046	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672045	T CELLS, WHOLE BLOOD None/XX/rt 10% DMSO Other Additives:Yes Cryopreserved Mononuclear	S2048	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672047	T CELLS, WHOLE BLOOD None/XX/refg Other Additives:Yes Thawed	S2050	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672049	T CELLS, WHOLE BLOOD None/XX/refg 3rd Party Comp:Yes	S2052	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672052	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/rt 5% DMSO Cryopreserved	S2055	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672054	T CELLS, WHOLE BLOOD None/XX/rt 10% DMSO Cryopreserved	S2057	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672057	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/refg 10% DMSO 3rd Party Comp:Yes Thawed	S2060	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672059	T CELLS, WHOLE BLOOD None/XX/refg 10% DMSO 3rd Party Comp:Yes Thawed	S2062	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672062	T CELLS, WHOLE BLOOD NS/XX/rt Plasma reduced	S2065	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672064	T CELLS, WHOLE BLOOD NS/XX/rt 3rd Party Comp:Yes Plasma reduced	S2067	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672143	T CELLS, WHOLE BLOOD NS/XX/rt Thawed Washed Plasma reduced	S2077	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672145	T CELLS, WHOLE BLOOD NS/XX/rt 3rd Party Comp:Yes Thawed Washed Plasma reduced	S2079	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672148	T CELLS, WHOLE BLOOD None/XX/rt 3rd Party Comp:Yes Other Additives:Yes Mononuclear cell enriched	S2082	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672150	T CELLS, WHOLE BLOOD None/XX/rt 10% DMSO 3rd Party Comp:Yes Other Additives:Yes Cryopres	S2084	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672152	T CELLS, WHOLE BLOOD None/XX/rt 10% DMSO 3rd Party Comp:Yes Other Additives:Yes Cryopres	S2086	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672154	T CELLS, WHOLE BLOOD None/XX/refg 3rd Party Comp:Yes Other Additives:Yes Thawed	S2088	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672155	T CELLS, WHOLE BLOOD NS/XX/rt 3rd Party Comp:Yes Other Additives:Yes CD4 enriched	S2089	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672156	T CELLS, WHOLE BLOOD None/XX/refg 3rd Party Comp:Yes Other Additives:Yes Thawed Mononuclear cel	S2090	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672160	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/rt 10% DMSO 3rd Party Comp:Yes Cryopreserved	S2094	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672162	T CELLS, WHOLE BLOOD NS/XX/rt 10% DMSO 3rd Party Comp:Yes Other Additives:Yes Cryopreserv	S2096	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672165	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/refg 10% DMSO 3rd Party Comp:Yes Thawed Plasma reduce	S2099	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672167	T CELLS, WHOLE BLOOD None/XX/refg 3rd Party Comp:Yes Thawed Washed	S2101	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672169	T CELLS, WHOLE BLOOD None/XX/refg 3rd Party Comp:Yes Thawed Washed Pooled Single Donor:Yes Plas	S2103	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42672174	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/refg	S2108	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42673225	T CELLS, WHOLE BLOOD Citrate/XX/rt 10% DMSO Other Additives:Yes Cryopreserved Buffy coat en	S2859	5/8/2015	12/31/2099
T CELLS, WHOLE BLOOD	42673396	T CELLS, WHOLE BLOOD Citrate/XX/refg Buffy coat enriched	S3320	2/24/2017	12/31/2099
T CELLS, WHOLE BLOOD	42673397	T CELLS, WHOLE BLOOD Citrate/XX/refg 3rd Party Comp:Yes Buffy coat enriched	S3321	2/24/2017	12/31/2099
T CELLS, WHOLE BLOOD	42673398	T CELLS, WHOLE BLOOD Citrate/XX/rt 10% DMSO 3rd Party Comp:Yes Cryopreserved Buffy coat en	S3322	2/24/2017	12/31/2099
T CELLS, WHOLE BLOOD	42673648	T CELLS, WHOLE BLOOD NS/XX/refg 3rd Party Comp:Yes Thawed Washed RBC reduced	S2266	9/17/2013	12/31/2099
T CELLS, WHOLE BLOOD	42673649	T CELLS, WHOLE BLOOD NS/XX/refg Thawed Washed RBC reduced	S2267	9/17/2013	12/31/2099
T CELLS, WHOLE BLOOD	42673650	T CELLS, WHOLE BLOOD Citrate/XX/rt 10% DMSO 3rd Party Comp:Yes Cryopreserved RBC reduced	S2268	9/17/2013	12/31/2099
T CELLS, WHOLE BLOOD	42673651	T CELLS, WHOLE BLOOD Citrate/XX/rt 10% DMSO Cryopreserved RBC reduced	S2269	9/17/2013	12/31/2099
T CELLS, WHOLE BLOOD	42673652	T CELLS, WHOLE BLOOD Citrate/XX/rt 10% DMSO 3rd Party Comp:Yes Cryopreserved	S2270	9/17/2013	12/31/2099
T CELLS, WHOLE BLOOD	42673653	T CELLS, WHOLE BLOOD Citrate/XX/rt 10% DMSO Cryopreserved	S2271	9/17/2013	12/31/2099
T CELLS, WHOLE BLOOD	42673654	T CELLS, WHOLE BLOOD Citrate/XX/refg RBC reduced	S2272	9/17/2013	12/31/2099
T CELLS, WHOLE BLOOD	42673655	T CELLS, WHOLE BLOOD Citrate/XX/refg	S2273	9/17/2013	12/31/2099
T CELLS, WHOLE BLOOD	42673873	T CELLS, WHOLE BLOOD None/XX/refg 10% DMSO 3rd Party Comp:Yes Other Additives:Yes Thawed CTL	S2894	6/19/2015	12/31/2099
T CELLS, WHOLE BLOOD	42673877	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/refg 3rd Party Comp:Yes Other Additives:Yes Buffy coat enri	S2898	6/19/2015	12/31/2099
T CELLS, WHOLE BLOOD	42673878	T CELLS, WHOLE BLOOD None/XX/refg 3rd Party Comp:Yes Other Additives:Yes CTL enriched	S2899	6/19/2015	12/31/2099
T CELLS, WHOLE BLOOD	42673937	T CELLS, WHOLE BLOOD NS/XX/refg Cultured:Yes T Reg enriched	S3091	5/2/2016	12/31/2099
T CELLS, WHOLE BLOOD	42674018	T CELLS, WHOLE BLOOD None/XX/rt 5% DMSO 3rd Party Comp:Yes Other Additives:Yes Cryopreser	S3327	2/24/2017	12/31/2099
T CELLS, WHOLE BLOOD	42674019	T CELLS, WHOLE BLOOD None/XX/refg NS DMSO 3rd Party Comp:Yes Other Additives:Yes Thawed CTL er	S3328	2/24/2017	12/31/2099
T CELLS, WHOLE BLOOD	42674236	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/refg 3rd Party Comp:Yes Plasma reduced	S2110	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674240	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/refg 10% DMSO Other Additives:Yes Thawed Washed	S2114	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674242	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/refg 10% DMSO 3rd Party Comp:Yes Other Additives:Yes Tha	S2116	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674247	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/rt 10% DMSO 3rd Party Comp:Yes Other Additives:Yes	S2121	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674253	T CELLS, WHOLE BLOOD NS/XX/rt Other Additives:Yes Thawed Washed Plasma reduced	S2127	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674256	T CELLS, WHOLE BLOOD None/XX/rt 10% DMSO 3rd Party Comp:Yes Genetically Modified:Yes Cryo	S2130	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674258	T CELLS, WHOLE BLOOD Heparin/XX/rt 5% DMSO 3rd Party Comp:Yes Other Additives:Yes Cryopre	S2132	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674260	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/rt 10% DMSO 3rd Party Comp:Yes Other Additives:Yes	S2134	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674264	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/rt 10% DMSO Other Additives:Yes Cryopreserved	S2138	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674266	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/rt 10% DMSO Other Additives:Yes Cryopreserved Plas	S2140	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674268	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/refg Plasma reduced	S2142	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674273	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/refg Other Additives:Yes	S2147	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674275	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/refg Other Additives:Yes RBC reduced	S2149	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674296	T CELLS, WHOLE BLOOD None/XX/rt 10% DMSO Other Additives:Yes Cryopreserved Buffy coat enr	S2304	10/24/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674297	T CELLS, WHOLE BLOOD None/XX/refg Other Additives:Yes Thawed Washed Buffy coat enriched	S2305	10/24/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674298	T CELLS, WHOLE BLOOD None/XX/refg Other Additives:Yes Thawed Washed Mononuclear cell enriched	S2306	10/24/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674299	T CELLS, WHOLE BLOOD None/XX/refg Other Additives:Yes Thawed Washed	S2307	10/24/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674301	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/rt Other Additives:Yes Plasma reduced	S2309	10/24/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674302	T CELLS, WHOLE BLOOD None/XX/refg Other Additives:Yes Mononuclear cell enriched	S2310	10/24/2013	12/31/2099

T CELLS, WHOLE BLOOD	42674303	T CELLS, WHOLE BLOOD None/XX/rt Other Additives:Yes Buffy coat enriched	S2311	10/24/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674304	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/rt	S2312	10/24/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674574	T CELLS, WHOLE BLOOD None/XX/refg 3rd Party Comp:Yes Other Additives:Yes Thawed Washed Mononu	S2560	6/6/2014	12/31/2099
T CELLS, WHOLE BLOOD	42674575	T CELLS, WHOLE BLOOD None/XX/refg 3rd Party Comp:Yes Other Additives:Yes Thawed Washed Buffy co	S2561	6/6/2014	12/31/2099
T CELLS, WHOLE BLOOD	42674576	T CELLS, WHOLE BLOOD None/XX/rt 10% DMSO 3rd Party Comp:Yes Other Additives:Yes Cryopres	S2562	6/6/2014	12/31/2099
T CELLS, WHOLE BLOOD	42674826	T CELLS, WHOLE BLOOD None/XX/rt 10% DMSO Other Additives:Yes Cryopreserved Cultured	S2514	4/24/2014	12/31/2099
T CELLS, WHOLE BLOOD	42674899	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/refg Other Additives:Yes Buffy coat enriched	S2151	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674901	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/refg 10% DMSO Other Additives:Yes Thawed	S2153	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674903	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/refg 10% DMSO Other Additives:Yes Thawed Plasma reduce	S2155	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674907	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/refg 3rd Party Comp:Yes	S2159	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674909	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/rt 10% DMSO 3rd Party Comp:Yes Cryopreserved Plas	S2161	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42674911	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/rt 10% DMSO Cryopreserved Plasma reduced	S2163	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42675237	T CELLS, WHOLE BLOOD NS/XX/refg NS DMSO Thawed Cultured:Yes Viral specific T cell enriched	S3165	9/30/2016	12/31/2099
T CELLS, WHOLE BLOOD	42675247	T CELLS, WHOLE BLOOD Citrate/XX/refg For further processing	S3175	11/4/2016	12/31/2099
T CELLS, WHOLE BLOOD	42675248	T CELLS, WHOLE BLOOD Citrate/XX/refg 3rd Party Comp:Yes	S3176	11/4/2016	12/31/2099
T CELLS, WHOLE BLOOD	42675249	T CELLS, WHOLE BLOOD Citrate/XX/refg 3rd Party Comp:Yes Plasma reduced	S3177	11/4/2016	12/31/2099
T CELLS, WHOLE BLOOD	42675363	T CELLS, WHOLE BLOOD None/XX/rt 10% DMSO Other Additives:Yes Cryopreserved Cultured:Yes	S3405	7/25/2017	12/31/2099
T CELLS, WHOLE BLOOD	42675364	T CELLS, WHOLE BLOOD None/XX/rt 10% DMSO Other Additives:Yes Genetically Modified:Yes Cryo	S3406	7/25/2017	12/31/2099
T CELLS, WHOLE BLOOD	42675396	T CELLS, WHOLE BLOOD NS/XX/refg Genetically Modified:Yes	S2984	12/3/2015	12/31/2099
T CELLS, WHOLE BLOOD	42675568	T CELLS, WHOLE BLOOD NS/XX/rt Other Additives:Yes	S3436	7/25/2017	12/31/2099
T CELLS, WHOLE BLOOD	42676020	T CELLS, WHOLE BLOOD Citrate/XX/rt 3rd Party Comp:Yes Other Additives:Yes	S2808	3/6/2015	12/31/2099
T CELLS, WHOLE BLOOD	42676021	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/rt 3rd Party Comp:Yes Other Additives:Yes	S2809	3/6/2015	12/31/2099
T CELLS, WHOLE BLOOD	42676022	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/rt 3rd Party Comp:Yes Other Additives:Yes Buffy coat enrich	S2810	3/6/2015	12/31/2099
T CELLS, WHOLE BLOOD	42676023	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/rt 10% DMSO NS HES + 5% DMSO 3rd Party Comp:Yes Other Addi	S2811	3/6/2015	12/31/2099
T CELLS, WHOLE BLOOD	42676024	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/rt 10% DMSO NS HES + 5% DMSO 3rd Party Comp:Yes Other Addi	S2812	3/6/2015	12/31/2099
T CELLS, WHOLE BLOOD	42676025	T CELLS, WHOLE BLOOD None/XX/rt 3rd Party Comp:Yes Other Additives:Yes CTL enriched	S2813	3/6/2015	12/31/2099
T CELLS, WHOLE BLOOD	42676026	T CELLS, WHOLE BLOOD None/XX/rt 10% DMSO 3rd Party Comp:Yes Other Additives:Yes Cryopres	S2814	3/6/2015	12/31/2099
T CELLS, WHOLE BLOOD	42676027	T CELLS, WHOLE BLOOD None/XX/rt 10% DMSO 3rd Party Comp:Yes Other Additives:Yes Thawed CTL en	S2815	3/6/2015	12/31/2099
T CELLS, WHOLE BLOOD	42678160	T CELLS, WHOLE BLOOD NS/XX/refg Other Additives:Yes Genetically Modified:Yes Thawed Washed Cultu	S2000	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42678167	T CELLS, WHOLE BLOOD NS/XX/refg Thawed Washed	S2007	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42678168	T CELLS, WHOLE BLOOD NS/XX/rt 10% DMSO Cryopreserved Buffy coat enriched	S2008	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42678170	T CELLS, WHOLE BLOOD NS/XX/rt 10% DMSO Cryopreserved Buffy coat enriched	S2010	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42678171	T CELLS, WHOLE BLOOD NS/XX/refg 3rd Party Comp:Yes Thawed Washed	S2011	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42678172	T CELLS, WHOLE BLOOD NS/XX/rt 10% DMSO 3rd Party Comp:Yes Cryopreserved Buffy coat enrich	S2012	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42678174	T CELLS, WHOLE BLOOD NS/XX/rt 5% DMSO 3rd Party Comp:Yes Cryopreserved Buffy coat enrich	S2014	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42678176	T CELLS, WHOLE BLOOD NS/XX/rt 5% DMSO 3rd Party Comp:Yes Cryopreserved	S2016	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42678177	T CELLS, WHOLE BLOOD NS/XX/refg 10% DMSO 3rd Party Comp:Yes Other Additives:Yes Thawed	S2017	8/15/2013	12/31/2099
T CELLS, WHOLE BLOOD	42679998	T CELLS, WHOLE BLOOD Citrate/XX/rt Other Additives:Yes CTL enriched	S2609	8/1/2014	12/31/2099
T CELLS, WHOLE BLOOD	42679999	T CELLS, WHOLE BLOOD Citrate/XX/rt Other Additives:Yes TIL enriched	S2610	8/1/2014	12/31/2099
T CELLS, WHOLE BLOOD	42680000	T CELLS, WHOLE BLOOD NS/XX/rt 5% DMSO 3rd Party Comp:Yes Genetically Modified:Yes Cryopre	S2611	8/1/2014	12/31/2099
T CELLS, WHOLE BLOOD	42680001	T CELLS, WHOLE BLOOD NS/XX/rt 3rd Party Comp:Yes Genetically Modified:Yes Thawed Washed Cultured	S2612	8/1/2014	12/31/2099
T CELLS, WHOLE BLOOD	42680020	T CELLS, WHOLE BLOOD Citrate/XX/rt 10% DMSO 3rd Party Comp:Yes Other Additives:Yes Cryopre	S2631	8/1/2014	12/31/2099
T CELLS, WHOLE BLOOD	42680169	T CELLS, WHOLE BLOOD NS/XX/refg 3rd Party Comp:Yes CD45RA reduced	S3250	12/2/2016	12/31/2099
T CELLS, WHOLE BLOOD	42680170	T CELLS, WHOLE BLOOD NS/XX/rt 10% DMSO 3rd Party Comp:Yes Cryopreserved CD45RA reduced	S3251	12/2/2016	12/31/2099
T CELLS, WHOLE BLOOD	42680177	T CELLS, WHOLE BLOOD NS/XX/rt 10% DMSO 3rd Party Comp:Yes Cryopreserved Alpha Beta T cell	S3258	12/2/2016	12/31/2099
T CELLS, WHOLE BLOOD	42680178	T CELLS, WHOLE BLOOD NS/XX/refg 3rd Party Comp:Yes Alpha Beta T cell reduced	S3259	12/2/2016	12/31/2099
T CELLS, WHOLE BLOOD	42680179	T CELLS, WHOLE BLOOD NS/XX/refg 3rd Party Comp:Yes Thawed Washed CD45RA reduced	S3260	12/2/2016	12/31/2099
T CELLS, WHOLE BLOOD	42680180	T CELLS, WHOLE BLOOD NS/XX/refg 3rd Party Comp:Yes Thawed Washed Alpha Beta T cell reduced	S3261	12/2/2016	12/31/2099
T CELLS, WHOLE BLOOD	42680184	T CELLS, WHOLE BLOOD NS/XX/refg Pulsed Concurrent plasma + other Cultured:Yes Buffy coat enriched	S3265	12/2/2016	12/31/2099
T CELLS, WHOLE BLOOD	42680263	T CELLS, WHOLE BLOOD NS/XX/rt 10% DMSO Concurrent plasma + other Cryopreserved Cu	S3266	12/2/2016	12/31/2099
T CELLS, WHOLE BLOOD	42680264	T CELLS, WHOLE BLOOD NS/XX/rt 10% DMSO Pulsed 10% DMSO Concurrent plasma + other Cryopreserved Cu	S3267	12/2/2016	12/31/2099
T CELLS, WHOLE BLOOD	42681434	T CELLS, WHOLE BLOOD None/XX/refg 3rd Party Comp:Yes Other Additives:Yes Mononuclear cell enriched	S2563	6/6/2014	12/31/2099
T CELLS, WHOLE BLOOD	42681528	T CELLS, WHOLE BLOOD Citrate/XX/refg 10% DMSO 3rd Party Comp:Yes Other Additives:Yes Thawed Buf	S2581	6/6/2014	12/31/2099
T CELLS, WHOLE BLOOD	42681529	T CELLS, WHOLE BLOOD Citrate+Heparin/XX/rt 10% DMSO Other Additives:Yes Cryopreserved Buff	S2582	6/6/2014	12/31/2099
T CELLS, WHOLE BLOOD	42681530	T CELLS, WHOLE BLOOD Citrate/XX/rt 10% DMSO 3rd Party Comp:Yes Other Additives:Yes Cryopre	S2583	6/6/2014	12/31/2099
T CELLS, WHOLE BLOOD	42681531	T CELLS, WHOLE BLOOD Citrate/XX/refg Other Additives:Yes Buffy coat enriched	S2584	6/6/2014	12/31/2099
T CELLS, WHOLE BLOOD	42681532	T CELLS, WHOLE BLOOD Citrate/XX/rt Other Additives:Yes Buffy coat enriched	S2585	6/6/2014	12/31/2099
T CELLS, WHOLE BLOOD	42681533	T CELLS, WHOLE BLOOD Citrate/XX/rt	S2586	6/6/2014	12/31/2099
NK CELLS, WHOLE BLOOD	718626	NK CELLS, WHOLE BLOOD None/XX/refg 3rd Party Comp:Yes Other Additives:Yes Thawed Washed Cultu	S3874	4/4/2019	12/31/2099
NK CELLS, WHOLE BLOOD	754137	NK CELLS, WHOLE BLOOD None/XX/rt 3rd Party Comp:Yes Other Additives:Yes Cultured:Yes	S3723	7/25/2018	12/31/2099
NK CELLS, WHOLE BLOOD	754138	NK CELLS, WHOLE BLOOD None/XX/rt 10% DMSO 3rd Party Comp:Yes Other Additives:Yes Cryopre	S3724	7/25/2018	12/31/2099
NK CELLS, WHOLE BLOOD	766634	NK CELLS, WHOLE BLOOD None/XX/refg Other Additives:Yes Thawed Washed Cultured:Yes	S3847	2/27/2019	12/31/2099
NK CELLS, WHOLE BLOOD	766635	NK CELLS, WHOLE BLOOD None/XX/refg 10% DMSO 3rd Party Comp:Yes Other Additives:Yes Thawed Cu	S3846	2/27/2019	12/31/2099
NK CELLS, WHOLE BLOOD	766636	NK CELLS, WHOLE BLOOD None/XX/refg 10% DMSO Thawed Cultured:Yes	S3845	2/27/2019	12/31/2099
NK CELLS, WHOLE BLOOD	42674893	NK CELLS, WHOLE BLOOD None/XX/rt 3rd Party Comp:Yes Other Additives:Yes Thawed Washed Cultured	S3399	6/28/2017	12/31/2099
NK CELLS, WHOLE BLOOD	42674894	NK CELLS, WHOLE BLOOD None/XX/refg 3rd Party Comp:Yes Other Additives:Yes Washed Cultured:Yes C	S3400	6/28/2017	12/31/2099
NK CELLS, WHOLE BLOOD	42681548	NK CELLS, WHOLE BLOOD NS/XX/rt 5% DMSO 3rd Party Comp:Yes Cryopreserved Cultured:Yes	S2601	8/1/2014	12/31/2099
NK CELLS, WHOLE BLOOD	42681549	NK CELLS, WHOLE BLOOD NS/XX/rt 3rd Party Comp:Yes Thawed Washed Cultured:Yes	S2602	8/1/2014	12/31/2099
MALIGNANT CELLS, WHO	42673939	MALIGNANT CELLS, WHOLE BLOOD NS/XX/refg NS DMSO Irradiation:Yes Thawed Washed	S3093	5/2/2016	12/31/2099

Definitions

Number of Transfused Patients: Number of unique patients with at least one ISBT 128 code specific to the blood component of interest in a given year. The patient will be counted only once for a specific blood component. If transfusion of a specific blood component is given on day #1 (1 unit), day #45 (4 units) and day #46 (10 units), this counts as 1 patient with transfusion of specific blood component.

Number of Patients with 1, 2-5, 6-11, or \geq 12 Transfusion episodes: Number of unique patients binned by number of transfusion episodes in a given year. Transfusion episode is defined as an occurrence of at least one ISBT 128 code specific to the blood component of interest per day, in a given year. If transfusion of a specific blood component is given on day #1 (1 unit), day #45 (4 units) and day #46 (10 units), this counts as 3 RBC transfusion episodes. For the patient level diagram, this patient will be categorized in the 2-5 transfusion episode bin. The patient will be counted only once for a specific blood component.

Number of Transfusion Episodes* having 1, 2-4, or \geq 5 Transfused units/ Transfusion Episode: Number of ISBT 128 code counts of the blood component of interest per transfusion episode bin in a given year. The patient will be counted once for **EACH** episode for a specific blood component. If transfusion of a specific blood component is given on day #1 (1 unit), day #45 (4 units) and day #46 (10 units), this counts as 3 episodes: one in the 1 unit episode bin, one in the 2-4 units episode bin, and one in the \geq 5 units episode bin (under the same 2-5 transfusion patient-episode bin).

Total Transfused units in each transfusion episode bin: Number of ISBT 128 code counts of the blood component of interest within the transfusion episode bin in a given year. If transfusion of a specific blood component is given on day #1 (1 unit), day #45 (4 units) and day #46 (10 units), this counts as 15 transfused units of specific blood component within the 2-5 transfusion episode bin. This measurement is at the transfused unit level, it does NOT count patients.

Figure 2 - Definition of Transfusion Episode

Definition of Transfusion Episode:

A transfusion episode is defined as a transfusion of one or more specific blood component(s) on a single day, from 12AM to 11:59PM. All sites are asked to use the end date of the transfusion of the last unit of the specific blood component transfused in the day as the date of the transfusion episode. If the transfusion occurs across more than one day (e.g. 22.00h on Feb 12 to 00:30 on Feb 13), this should be counted as one transfusion episode ending on Feb 13 (and only being counted on Feb 13). If the transfusion includes two units, the first of them ending on Feb 12 at 21:50 and the second unit (from the previous example) ending at 00:30 on Feb 13, these would be counted as two transfusion episodes, one on Feb 12 and one on Feb 13. If the transfusion end date is not available, sites will use the start date of the transfusion to mark a transfusion episode.