



**To:** Transfusion Services Managers  
**From:** Hospital Relations  
**Date:** August 2, 2024  
**Re:** UPDATE Reveos® Automated Component Processing Updates

**Update:**

The product barcodes have been added to the end of this memo for reference.

**Background:**

Terumo Blood and Cell Technologies received approval from the Food and Drug Administration (FDA) of its Reveos® automated blood processing system on August 1, 2023. Carter BloodCare plans to implement this system to optimize component production operations. Implementation will be a phased approach and initial installation is scheduled for early September.

The Reveos® collection kit contains the red blood cell additive solution AS-5 (Optisol). This information is listed in the product code and description for the associated red blood cell components.

**Table 2. Contents of Red Blood Cells Additive Solutions\***

Additive Solution (mg/100 mL)	Dextrose Mono-hydrate	Adenine	Monobasic Sodium Phosphate	Dibasic Sodium Phosphate	Mannitol	Sodium Bicarbonate	Sodium Chloride	Sodium Citrate	Citric Acid	Shelf Life (Days)
AS-1 (Adsol)	2200	27	0	0	750	0	900	0	0	42
AS-3 (Nutricel)	1100	30	276	0	0	0	410	588	42	42
AS-5 (Optisol)	900	30	0	0	525	0	877	0	0	42
AS-7 (SOLX)	1585	27	0	170	1000	218	0	0	0	42

\*100 mL AS/450 mL collection, 110 mL AS/500 mL collection.

\*Table taken from the current version of the Circular of Information available at this link: <https://www.cbcspecialtyservices.org/licenses-accreditations>

The Reveos® system is equipped with a platelet yield index feature that provides a prediction of the platelet yield on each processed donation. We anticipate a potential increase of IMUGARD® whole blood derived pooled platelets utilizing this technology.

**Impact to Clients:**

- Red blood cell components processed on Reveos® contain AS-5. Following complete integration of the system, most of the red cells distributed by Carter BloodCare will be AS-5.
- Streamlined IMUGARD® whole blood derived pooled platelet production.
- Associated product codes are listed below for your reference.

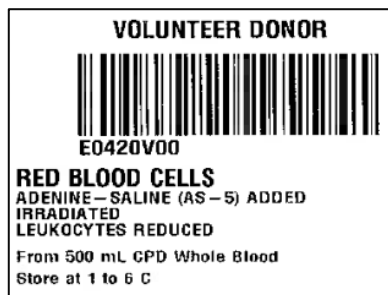
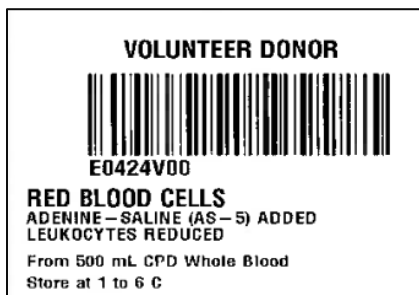
**Client Action Required:**

- Ensure your transfusion service can receive these red blood cell and pooled platelet products into your LIS system.


ISBT Code	Product Description
E0398	RED BLOOD CELLS CPD>AS5/450mL/refg Irr ResLeu
E0401	RED BLOOD CELLS CPD>AS5/450mL/refg ResLeu:<5log6
E0420	RED BLOOD CELLS CPD>AS5/500mL/refg Irr ResLeu
E0424	RED BLOOD CELLS CPD>AS5/500mL/refg ResLeu:<5log6
EA789	POOLED PLATELETS CPD/XX/20-24C ResLeu:<5E6 4 units Bacterial monitoring
EA790	POOLED PLATELETS CPD/XX/20-24C ResLeu:<5E6 5 units Bacterial monitoring
EA791	POOLED PLATELETS CPD/XX/20-24C ResLeu:<5E6 6 units Bacterial monitoring
EA792	POOLED PLATELETS CPD/XX/20-24C Irradiated ResLeu:<5E6 4 units Bacterial monitoring
EA793	POOLED PLATELETS CPD/XX/20-24C Irradiated ResLeu:<5E6 5 units Bacterial monitoring
EA794	POOLED PLATELETS CPD/XX/20-24C Irradiated ResLeu:<5E6 6 units Bacterial monitoring
EA795	POOLED PLATELETS CPD/XX/20-24C ResLeu:<5E6 <3E11 plts Bacterial monitoring
EA796	POOLED PLATELETS CPD/XX/20-24C Irradiated ResLeu:<5E6 <3E11 plts Bacterial monitoring

**Questions and Additional Information:**

Please contact [hospitalrelations@carterbloodcare.org](mailto:hospitalrelations@carterbloodcare.org) with any concerns.



**VOLUNTEER DONOR**



EA789V00


**POOLED PLATELETS**  
LEUKOCYTES REDUCED  
BACTERIAL MONITORING

\_\_\_\_\_ mL

Number of units in pool 4  
From CPD Whole Blood

Store at 20 to 24 C

**VOLUNTEER DONOR**



EA790V00


**POOLED PLATELETS**  
LEUKOCYTES REDUCED  
BACTERIAL MONITORING

\_\_\_\_\_ mL

Number of units in pool 5  
From CPD Whole Blood

Store at 20 to 24 C

**VOLUNTEER DONOR**



EA791V00


**POOLED PLATELETS**  
LEUKOCYTES REDUCED  
BACTERIAL MONITORING

\_\_\_\_\_ mL

Number of units in pool 6  
From CPD Whole Blood

Store at 20 to 24 C

**VOLUNTEER DONOR**



EA792V00


**POOLED PLATELETS**  
IRRADIATED  
LEUKOCYTES REDUCED  
BACTERIAL MONITORING

\_\_\_\_\_ mL

Number of units in pool 4  
From CPD Whole Blood

Store at 20 to 24 C

**VOLUNTEER DONOR**



EA793V00


**POOLED PLATELETS**  
IRRADIATED  
LEUKOCYTES REDUCED  
BACTERIAL MONITORING

\_\_\_\_\_ mL

Number of units in pool 5  
From CPD Whole Blood

Store at 20 to 24 C

**VOLUNTEER DONOR**



EA794V00


**POOLED PLATELETS**  
IRRADIATED  
LEUKOCYTES REDUCED  
BACTERIAL MONITORING

\_\_\_\_\_ mL

Number of units in pool 6  
From CPD Whole Blood

Store at 20 to 24 C

**VOLUNTEER DONOR**



EA795V00

**POOLED PLATELETS**  
LEUKOCYTES REDUCED  
BACTERIAL MONITORING


\_\_\_\_\_ mL

From CPD Whole Blood

CONTAINS < 3.0E11 PLATELETS

Store at 20 to 24 C

**VOLUNTEER DONOR**



EA796V00

**POOLED PLATELETS**  
IRRADIATED  
LEUKOCYTES REDUCED  
BACTERIAL MONITORING

\_\_\_\_\_ mL

From CPD Whole Blood

CONTAINS < 3.0E11 PLATELETS

Store at 20 to 24 C