


LVDS and PR Platelets: A Comparison

As of June 1st, 2021, Red Cross will offer only Large Volume Delayed Sampling 36-hour (LVDS) and pathogen reduced (PR) platelets. To ensure a robust platelet supply, Red Cross may need to substitute PR for LVDS and vice versa. Customers will be charged the appropriate fee for the products they receive.

Customers have been asked to prepare to accept both PR and LVDS platelets. However, it is important to note that there are different characteristics of these two products, so allowable substitutions should be confirmed in Connect and/or with the customer directly. Refer to the comparison table below when answering hospital inquiries about this.

Table 1. Comparison of LVDS and PR Platelets

Characteristic	LVDS Platelets – 36 hours	PR Platelets	Notes
Appearance			The colors of the product will vary; main takeaway is the size difference
Suspension solution	Platelet Additive Solution (PAS-C)	Platelet Additive Solution (PAS-C)	PAS platelets appear lighter in color than conventional platelets
Commonly used names	LVDS 5 day or LVDS 36 hour	Pathogen reduced, PR, PRT, Psoralen treated	
Product use	No change from current practice; follow institutional policy.	No change from current practice; follow institutional policy	
How collected	Apheresis	Apheresis	
How manufactured	Product held for ≥ 36 hours then 20ml sample taken for aerobic and anaerobic testing that are incubated for 12 hours. Products that are 'negative' for bacteria released into inventory	Product treated with psoralen and UV light. This process 'cross-links' the DNA or RNA, inactivating pathogens such as most viruses, bacteria, and white cells (to prevent GVHD in the product)	



Characteristic	LVDS Platelets – 36 hours	PR Platelets	Notes
Compliant with FDA Guidance on Bacterial Contamination	Yes	Yes	
Expiration	5 days	5 days	
Maximum remaining shelf-life at release	3 days	4 days	Actual remaining shelf-life may vary
Pricing	\$83 surcharge on conventional SDP	\$150 surcharge on conventional SDP	Exact price will depend upon negotiated contract price
Irradiated product available?	Yes	No	PR is approved as a replacement for irradiation
CMV- product available?	Yes	No	PR is an approved CMV safe platelet product
Washed?	Yes: codes E3556V00: Washed Aph PLT LR E3558V00: Washed Aph PLT LR Cnt1 E3559V00: Washed Aph PLT LR Cnt2 E3560V00: Washed Aph PLT LR Cnt3 E3541V00: Washed Aph PLT LR IRR E3543V00: Washed Aph PLT LR IRR Cnt1 E3544V00: Washed Aph PLT LR IRR Cnt2 E3545V00: Washed Aph PLT LR IRR Cnt3	Yes: codes E8695V00: Washed Platelets Aph Psoralen Treated E8696V00: Washed Platelets Aph Psoralen Trt Cnt1 E8697V00: Washed Platelets Aph Psoralen Trt Cnt2 E8698V00: Washed Platelets Aph Psoralen Trt Cnt3	
Volume Reduced?	Yes: E3078V00: Aph PLT ACD-A LR PlasRed E3080V00: Aph PLT ACD-A LR PlasRed Cnt1 E3081V00: Aph PLT ACD-A LR PlasRed Cnt2 E3082V00: Aph PLT ACD-A LR PlasRed Cnt3 E3047V00: Aph PLT ACD-A LR IRR PlasRed E3049V00: Aph PLT ACD-A LR IRR PlasRed Cnt1 E3050V00: Aph PLT ACD-A LR IRR PlasRed Cnt2 E3051V00: Aph PLT ACD-A LR IRR PlasRed Cnt3	Yes: EA444V00 Aph ACD-A PASC SupRed Psorlen Treated EA445V00: Aph ACD-A PASC SupRed Psorlen Trt Cnt1 EA446V00: Aph ACD-A PASC SupRed Psorlen Trt Cnt2 EA447V00: Aph ACD-A PASC SupRed Psorlen Trt Cnt3	

Characteristic	LVDS Platelets – 36 hours	PR Platelets	Notes
Able to be Extended to 7 days?	No	No	Platelets stored in PAS are not currently eligible for product extension
HCPCS (reimbursement code or 'P code')	'Conventional' SDP code (e.g., P9035, Platelets, pheresis, leukoreduced, each unit) + P9100 (Pathogen test(s) for platelets)	P9073 (Platelets, pheresis, pathogen-reduced, each unit)	For reimbursement rates refer to the HPRG
Advantages	<ul style="list-style-type: none"> • Reduced risk of bacterial contamination • Ready to use with no secondary testing required 	<p>Substantially reduced risk of bacterial and other pathogenic contamination</p> <ul style="list-style-type: none"> • No need for irradiation or CMV testing • Longer shelf life than conventional or LVDS platelets • Ready to use with no secondary testing required 	



Table 2. ARC PR and LVDS Product Codes

PR Product Code	Label Text
E8340V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C ResLeu:<5E6 Psoralen-treated
E8341V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C ResLeu:<5E6 1 st container Psoralen-treated
E8342V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C ResLeu:<5E6 2 nd container Psoralen-treated
E8343V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C ResLeu:<5E6 3 rd container Psoralen-treated
E8344V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C ResLeu:<5E6 <3E11 plts Psoralen-treated

LVDS Product Code	Label Text
EA007V00	Apheresis PLATELETS ACD-A/XX/20-24C ResLeu:<5E6 Bacterial monitoring >=36h
EA008V00	Apheresis PLATELETS ACD-A/XX/20-24C ResLeu:<5E6 1 st container Bacterial monitoring >=36h
EA009V00	Apheresis PLATELETS ACD-A/XX/20-24C ResLeu:<5E6 2 nd container Bacterial monitoring >=36h
EA010V00	Apheresis PLATELETS ACD-A/XX/20-24C ResLeu:<5E6 3 rd container Bacterial monitoring >=36h
EA011V00	Apheresis PLATELETS ACD-A/XX/20-24C ResLeu:<5E6 <3E11 plts Bacterial monitoring >=36h
EA012V00	Apheresis PLATELETS ACD-A/XX/20-24C ResLeu:<5E6 1 st container <3E11 plts Bacterial monitoring >=36h
EA013V00	Apheresis PLATELETS ACD-A/XX/20-24C ResLeu:<5E6 2 nd container <3E11 plts Bacterial monitoring >=36h
EA014V00	Apheresis PLATELETS ACD-A/XX/20-24C ResLeu:<5E6 3 rd container <3E11 plts Bacterial monitoring >=36h
EA015V00	Apheresis PLATELETS ACD-A/XX/20-24C Irradiated ResLeu:<5E6 Bacterial monitoring >=36h
EA016V00	Apheresis PLATELETS ACD-A/XX/20-24C Irradiated ResLeu:<5E6 1 st container Bacterial monitoring >=36h
EA017V00	Apheresis PLATELETS ACD-A/XX/20-24C Irradiated ResLeu:<5E6 2 nd container Bacterial monitoring >=36h
EA018V00	Apheresis PLATELETS ACD-A/XX/20-24C Irradiated ResLeu:<5E6 3 rd container Bacterial monitoring >=36h
EA019V00	Apheresis PLATELETS ACD-A/XX/20-24C Irradiated ResLeu:<5E6 <3E11 plts Bacterial monitoring >=36h
EA020V00	Apheresis PLATELETS ACD-A/XX/20-24C Irradiated ResLeu:<5E6 1 st container <3E11 plts Bacterial monitoring >=36h
EA021V00	Apheresis PLATELETS ACD-A/XX/20-24C Irradiated ResLeu:<5E6 2 nd container <3E11 plts Bacterial monitoring >=36h



LVDS Product Code	Label Text
EA022V00	Apheresis PLATELETS ACD-A/XX/20-24C Irradiated ResLeu:<5E6 3 rd container <3E11 plts Bacterial monitoring >=36h
EA136V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C ResLeu:<5E6 Bacterial monitoring >=36h
EA137V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C ResLeu:<5E6 1 st container Bacterial monitoring >=36h
EA138V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C ResLeu:<5E6 2 nd container Bacterial monitoring >=36h
EA139V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C ResLeu:<5E6 3 rd container Bacterial monitoring >=36h
EA140V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C ResLeu:<5E6 <3E11 plts Bacterial monitoring >=36h
EA141V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C ResLeu:<5E6 1 st container <3E11 plts Bacterial monitoring >=36h
EA142V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C ResLeu:<5E6 2 nd container <3E11 plts Bacterial monitoring >=36h
EA143V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C ResLeu:<5E6 3 rd container <3E11 plts Bacterial monitoring >=36h
EA152V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C Irradiated ResLeu:<5E6 Bacterial monitoring >=36h
EA153V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C Irradiated ResLeu:<5E6 1 st container Bacterial monitoring >=36h
EA154V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C Irradiated ResLeu:<5E6 2 nd container Bacterial monitoring >=36h
EA155V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C Irradiated ResLeu:<5E6 3 rd container Bacterial monitoring >=36h
EA156V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C Irradiated ResLeu:<5E6 <3E11 plts Bacterial monitoring >=36h
EA157V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C Irradiated ResLeu:<5E6 1 st container <3E11 plts Bacterial monitoring >=36h
EA158V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C Irradiated ResLeu:<5E6 2 nd container <3E11 plts Bacterial monitoring >=36h
EA159V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C Irradiated ResLeu:<5E6 3 rd container <3E11 plts Bacterial monitoring >=36h

Table 3. Non-Red Cross PR and LVDS Product Codes with Facility ID numbers

Product Code	Label Text
Pathogen Reduced Platelets	
E8331V00	Apheresis PLATELETS ACD-A/XX/20-24C ResLeu:<5E6 Psoralen-treated
E8332V00	Apheresis PLATELETS ACD-A/XX/20-24C ResLeu:<5E6 1 st container Psoralen-treated
E8333V00	Apheresis PLATELETS ACD-A/XX/20-24C ResLeu:<5E6 2 nd container Psoralen-treated
E8334V00	Apheresis PLATELETS ACD-A/XX/20-24C ResLeu:<5E6 3 rd container Psoralen-treated
LVDS-48 Platelets	
E5030V00	Apheresis PLATELETS ACD-A/XX/20-24C ResLeu:<5E6 Bacterial monitoring
E5031V00	Apheresis PLATELETS ACD-A/XX/20-24C ResLeu:<5E6 1 st container Bacterial monitoring



Product Code	Label Text
E5033V00	Apheresis PLATELETS ACD-A/XX/20-24C ResLeu:<5E6 3 rd container Bacterial monitoring
E5034V00	Apheresis PLATELETS ACD-A/XX/20-24C Irradiated ResLeu:<5E6 Bacterial monitoring
E5035V00	Apheresis PLATELETS ACD-A/XX/20-24C Irradiated ResLeu:<5E6 1st container Bacterial monitoring
E5036V00	Apheresis PLATELETS ACD-A/XX/20-24C Irradiated ResLeu:<5E6 2nd container Bacterial monitoring
E5037V00	Apheresis PLATELETS ACD-A/XX/20-24C Irradiated ResLeu:<5E6 3rd container Bacterial monitoring
E9697V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C ResLeu:<5E6 Bacterial monitoring
E9698V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C ResLeu:<5E6 1st container Bacterial monitoring
E9699V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C ResLeu:<5E6 2nd container Bacterial monitoring
E9700V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C ResLeu:<5E6 3rd container Bacterial monitoring
E9706V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C Irradiated ResLeu:<5E6 1st container Bacterial monitoring
E9707V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C Irradiated ResLeu:<5E6 2nd container Bacterial monitoring
E9708V00	Apheresis PLATELETS ACD-A>PAS-C/XX/20-24C Irradiated ResLeu:<5E6 3rd container Bacterial monitoring

Supplier Partner Facilities

Supplier Code	Supplier Name	Supplier ISBT Code (s)	Supplier US License	Supplier FDA Registration (s)
0910	Oklahoma Blood Institute	W0910	766	1626009, 3008629
1216	The Blood Connection	W1216	1605	1048067
0419	Vitalant (formerly One Blood Inc.)	W0419	183	2971465
0334	Mississippi Valley Regional Blood Center	W3334, W3335, W3336, W083,	366	1970356
1495	Northern California Community Blood Bank	W1495	230	2970101