



INFORMATION ONLY

Release of Revised Circular of Information for Red Blood Cells, Platelets, and Plasma

Customer Letter # 2021-05

2021-01-25

Dear Colleagues:

Canadian Blood Services will be updating the [Circulars of Information](#) for Red Blood Cells, Platelets, and Plasma in January 2021. The revisions are the result of updated Quality Control data for a typical unit.

Last updated June 2020					Last updated January 2021				
Composition and properties					Composition and properties				
Red Blood Cells									
TABLE 1: Typical unit content is based on the number of units (n) tested from July 2016 to December 2016, inclusive.					TABLE 1: Typical unit content is based on the number of units (n) tested from June 2020 to November 2020, inclusive.				
Red Blood Cells LR SAGM added	Volume (mL) Mean \pm 1 SD	Hemoglobin (g) Mean \pm 1 SD	Hematocrit (L/L) Mean \pm 1 SD	Residual Leukocytes ($\times 10^6$) Mean \pm 1 SD	Red Blood Cells LR SAGM added	Volume (mL) Mean \pm 1 SD	Hemoglobin (g) Mean \pm 1 SD	Hematocrit (L/L) Mean \pm 1 SD	Residual Leukocytes ($\times 10^6$) Mean \pm 1 SD
	293 \pm 26 n = 3627	56 \pm 7 n = 3627	0.68 \pm 0.03 n = 3627	0.18 \pm 0.3208 n = 3502		287 \pm 20 n = 2916	55 \pm 6 n = 2916	0.67 \pm 0.03 n = 2916	0.0597 \pm 0.1165 n = 3589
Platelets									
TABLE 1: Typical unit content is based on the number of units (n) tested from July 2016 to December 2016, inclusive.					TABLE 1: Typical unit content is based on the number of units (n) tested from May 2020 to October 2020, inclusive.				
Platelet Component	Volume (mL) Mean \pm 1 SD	Platelet Count ($\times 10^9$) per unit Mean \pm 1 SD	Residual Leukocytes ($\times 10^6$) per unit Mean \pm 1 SD		Platelet Component	Volume (mL) Mean \pm 1 SD	Platelet Count ($\times 10^9$) per unit Mean \pm 1 SD	Residual Leukocytes ($\times 10^6$) per unit Mean \pm 1 SD	
Pooled Platelets LR CPD	342 \pm 15 n = 583	298 \pm 68 n = 583	0.09 \pm 0.54 n = 550		Pooled Platelets LR CPD	317 \pm 16 n = 588	339 \pm 44 n = 588	0.0427 \pm 0.0877 n = 598	
Apheresis Platelets	242 \pm 8 n = 519	370 \pm 48 n = 519	0.067 \pm 0.208 n = 510		Apheresis Platelets	223 \pm 9 n = 477	333 \pm 34 n = 477	0.0966 \pm 0.2206 n = 497	
Plasma									
TABLE 1: Typical unit content is based on the number of units (n) tested from July 2016 to December 2016, inclusive.					TABLE 1: Typical unit content is based on the number of units (n) tested from June 2020 to November 2020, inclusive.				
Plasma Component	Volume (mL) Mean \pm 1 SD	Factor VIII (IU/mL) Mean \pm 1 SD	Fibrinogen (mg) Mean \pm 1 SD		Plasma Component	Volume (mL) Mean \pm 1 SD	Factor VIII (IU/mL) Mean \pm 1 SD	Fibrinogen (mg) Mean \pm 1 SD	
AFFP	ACD-A: 249 \pm 18 n = 123	1.29 \pm 0.38 n = 389	N/A		AFFP	ACD-A: 249 \pm 13 n = 417	1.35 \pm 0.33 n = 450	N/A	
	Sodium citrate: 494 \pm 31 n = 10185			Sodium citrate: 491 \pm 38 n = 5454					
FP	283 \pm 15 n = 1012	0.87 \pm 0.31 n = 1069	N/A		FP	289 \pm 16 n = 762	0.88 \pm 0.27 n = 570	N/A	
Cryosupernatant Plasma	273 \pm 15 n = 452	N/A	N/A		Cryosupernatant Plasma	276 \pm 17 n = 227	N/A	N/A	
Cryoprecipitate	10 \pm 2 n = 513	N/A	285 \pm 88 n = 513		Cryoprecipitate	10 \pm 1.7 n = 188	N/A	366 \pm 115 n = 188	

Please share a copy of this customer letter with healthcare professionals at your hospital who might be interested in this information.

This customer letter can also be viewed at www.blood.ca in the "Hospitals Services" section. If you have questions about this letter, or if you require it in an accessible format, please contact your local hospital liaison specialist.

Sincerely,

A handwritten signature in dark ink, appearing to read "T. Petraszko". The signature is fluid and cursive, with the first letter of the last name being a large capital 'P'.

Tanya Petraszko
Director, Medical Services and Hospital Relations