

Certificate of Analysis

Pooled CD34+ Cells 2 E+06

Unit #	Vol (mL)	Date	Time	Sex	DATE COLLECTED	10/9/21-10/10/21
W164021002057	117	10/9/2021	18:42	Female	DATE PURIFIED	10/11/21
W164021002060	101	10/9/2021	14:50	Female	% VIABILITY	90.9%
W164021002067	152.6	10/10/2021	20:13	Male		
W164021002068	89.6	10/10/2021	12:45	Unknown		
W164021002070	141.9	10/10/2021	Unknown	Unknown		
W164021002071	184.2	10/10/2021	13:53	Male	DATE OF FLOW ANALYSIS	10/12/21
					PERFORMED BY	
					TT, Bloodworks NW	

Purification Method

CliniMACS Prodigy: BWNW Pooled Cord CD34, Miltenyi CD34 CliniMACs Microbeads.

Microscopic Observations

No debris, no RBCs, a few smaller cells.

FREEZING MEDIA	CryoStor10
FREEZING METHOD	CoolCells
EXPECTED RECOVERY	50–75%

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Description	Region	Result	Cells/uL CAL
Absolute CD45 Count Tube 1	CD45+	85.561%	232.0
Absolute CD45 Count Tube 2	CD45+	66.593%	262.0
Absolute CD45 Count Control	CD45+	74.300%	248.0
Average CD45 Count	eq		247.0
Avg. (Corrected) CD45 Count	eq		988.0
Live Events Viability Tube 1	VIABLE	80.532%	219.0
Live Events Viability Tube 2	VIABLE	62.216%	245.0
Live Events Viability Control	VIABLE	70.335%	234.0
Avg. Live Events Viability	eq	71.028%	
Abs. CD34+ Count Tube 1	CD34+ POS	98.361%	180.0
Abs. CD34+ Count Tube 2	CD34+ POS	98.856%	208.0
Avg CD34+	eq		194.0
Avg. (Corrected) CD34+	eq		776.0
Avg. CD34+ Purity	eq	78.543%	
Total CD34 Harvest	eq	ERR	
Abs. Viable CD45 Tube 1	Viable CD45+	99.154%	217.0
Abs. Viable CD45 Tube 2	Viable CD45+	99.214%	243.0
Abs. Viable CD45 Control	Viable CD45+	99.409%	233.0
Avg. Viable CD45	eq		230.0
Avg. (Corrected) Viable CD45	eq		920.0
Abs. Viable CD34 Tube 1	Viable CD34+ POS	98.689%	179.0
Abs. Viable CD34 Tube 2	Viable CD34+ POS	99.259%	207.0

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Description	Region	Result	Cells/uL CAL
Abs. Viable CD34 Control	Viable CD34+ POS	66.667%	0.00
Avg. Viable CD34	eq		193.0
Avg. (Corrected) Viable CD34	eq		772.0
Control Percent	eq	0%	
Viable CD34 Tube % Difference	eq	7.254%	
Avg. Viable CD34+ Purity	eq	83.913%	
Total Viable CD34+ Harvest	eq	ERR	

Comments: