

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V96300958	Software:	BD FACSDiva 9.0
Input Device:	Carousel	Date:	01/23/2023 09:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/16/2023 10:20 AM
Cytometer Configuration:	Canto II Config 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82158 **Expiration Date:** 08/31/2020 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	127858	2	1.45	127965	1.43
Blue	F	SSC	125000	126983	1	1.78	127704	1.78
Blue	E	FITC	20434	19971	-3	2.50	423	19.70
Blue	D	PE	34399	33555	-3	1.61	713	13.23
Blue	B	PE-Cy5	48387	47623	-2	3.62	1373	19.35
Blue	A	PE-Cy7	34835	33962	-3	5.33	739	30.60
Red	C	APC	54234	54717	0	2.36	1783	12.56
Red	A	APC-Cy7	42473	41692	-2	2.99	1246	11.44
Violet	B	DAPI	10884	10596	-3	2.79	676	12.27
Violet	A	AmCyan	41787	40906	-3	2.54	1007	13.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17750	8.72	557	-8	N/A	N/A	Pass
Blue	F	SSC	59023	1.54	392	-6	N/A	N/A	Pass
Blue	E	FITC	78	67.14	454	-5	0.0227	285	Pass
Blue	D	PE	146	46.42	484	-6	0.2218	299	Pass
Blue	B	PE-Cy5	257	48.57	623	-7	0.0100	115	Pass
Blue	A	PE-Cy7	143	73.37	636	-7	0.0176	12	Pass
Red	C	APC	399	27.34	666	-1	0.0256	133	Pass
Red	A	APC-Cy7	266	27.43	521	-3	0.0057	1057	Pass
Violet	B	DAPI	94	70.60	446	3	0.0777	5494	Pass
Violet	A	AmCyan	146	65.64	505	3	0.0201	6698	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.80	47.84 - 71.76	N/A	N/A	-31.13	-30.63	1.12
Blue	20.24	16.19 - 24.29	1.40	1.14 - 1.70	0.00	0.00	1.48
Red	17.49	14.40 - 21.60	N/A	N/A	28.37	28.79	1.25

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9783

Fluidics

FACSFlow Pressure: 4.50 Sample Pressure: 4.40
Spec.: 4.40 - 4.60

Comments