

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:	03/13/2023 09:20 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	126308	1	1.85	126476	1.85
Blue	F	SSC	125000	127907	2	1.66	128493	1.67
Blue	E	FITC	20434	20173	-2	2.37	425	18.73
Blue	D	PE	34399	34472	0	1.56	732	12.71
Blue	B	PE-Cy5	48387	48106	-1	3.51	1395	19.05
Blue	A	PE-Cy7	34835	34054	-3	5.28	757	29.54
Red	C	APC	54234	54316	0	2.41	1770	12.36
Red	A	APC-Cy7	42473	42059	-1	3.00	1275	11.44
Violet	B	DAPI	10884	10595	-3	1.97	683	10.78
Violet	A	AmCyan	41787	40981	-2	1.57	1005	9.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17451	11.67	550	-15	N/A	N/A	Pass
Blue	F	SSC	59541	1.44	392	-6	N/A	N/A	Pass
Blue	E	FITC	77	65.58	451	-8	0.0258	293	Pass
Blue	D	PE	150	45.51	482	-8	0.2601	354	Pass
Blue	B	PE-Cy5	260	48.57	620	-10	0.0103	137	Pass
Blue	A	PE-Cy7	146	71.10	632	-11	0.0185	13	Pass
Red	C	APC	396	27.39	668	1	0.0270	179	Pass
Red	A	APC-Cy7	271	27.58	525	1	0.0056	1130	Pass
Violet	B	DAPI	94	60.01	444	1	0.0859	4127	Pass
Violet	A	AmCyan	146	43.34	504	2	0.0265	3048	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	59.78	47.84 - 71.76	N/A	N/A	-30.31	-30.03	1.13
Blue	20.23	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.49
Red	17.26	14.40 - 21.60	N/A	N/A	27.94	28.17	1.26

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9501

Fluidics

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

Comments