

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	BDSerivce
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V96300958	Software:	BD FACSDiva 9.0
Input Device:	Carousel	Date:	07/31/2023 11:07 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	125299	0	1.85	125370	1.79
Blue	F	SSC	125000	124373	-1	1.86	125046	1.86
Blue	E	FITC	20434	19608	-5	2.57	415	19.84
Blue	D	PE	34399	33821	-2	1.68	720	13.68
Blue	B	PE-Cy5	48387	47093	-3	3.7	1360	20.55
Blue	A	PE-Cy7	34835	34212	-2	5.3	737	31.39
Red	C	APC	54234	54541	0	2.54	1765	13.49
Red	A	APC-Cy7	42473	42158	-1	2.8	1240	12.63
Violet	B	DAPI	10884	10543	-4	2.2	661	10.38
Violet	A	AmCyan	41787	41023	-2	1.88	1003	9.3

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19683	8.75	562	-3	N/A	N/A	Pass
Blue	F	SSC	57042	1.57	400	2	N/A	N/A	Pass
Blue	E	FITC	75	63.54	456	-3	0.0204	112	Pass
Blue	D	PE	146	48.38	489	-1	0.2055	305	Pass
Blue	B	PE-Cy5	244	52.55	630	0	0.0087	100	Pass
Blue	A	PE-Cy7	137	79.96	640	-3	0.0172	26	Pass
Red	C	APC	390	29.96	678	11	0.0221	150	Pass
Red	A	APC-Cy7	258	30.73	532	8	0.0045	930	Pass
Violet	B	DAPI	91	59.69	437	-6	0.1205	5400	Pass
Violet	A	AmCyan	143	36.76	499	-3	0.0278	1745	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	-29.31	-28.99	1.19
Blue	20.24	16.19 - 24.29	1.45	1.14 - 1.70	0.00	0.00	1.55
Red	18.28	14.40 - 21.60	N/A	N/A	27.20	27.44	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 14824

Fluidics

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

Comments