

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:	12/18/2023 09:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/07/2023 11:15 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	125655	0	1.12	125732	1.14
Blue	F	SSC	125000	124304	-1	2.61	124876	2.61
Blue	E	FITC	20274	19872	-2	2.61	422	18.40
Blue	D	PE	33957	33020	-3	1.99	703	12.59
Blue	B	PE-Cy5	48011	47742	-1	3.45	1373	17.92
Blue	A	PE-Cy7	35963	35808	-1	4.88	781	27.61
Red	C	APC	55970	56163	0	2.42	1821	12.62
Red	A	APC-Cy7	43527	43690	0	2.78	1285	11.77
Violet	B	DAPI	12286	11949	-3	2.69	781	11.53
Violet	A	AmCyan	41615	40523	-3	2.48	997	11.34

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20827	3.59	537	-4	N/A	N/A	Pass
Blue	F	SSC	57648	2.37	386	0	N/A	N/A	Pass
Blue	E	FITC	77	64.34	443	-2	0.0268	294	Pass
Blue	D	PE	144	45.45	473	-3	0.2790	377	Pass
Blue	B	PE-Cy5	256	44.65	609	-3	0.0117	95	Pass
Blue	A	PE-Cy7	154	65.74	626	-2	0.0217	12	Pass
Red	C	APC	403	28.26	671	-1	0.0259	183	Pass
Red	A	APC-Cy7	269	29.10	525	-3	0.0054	1221	Pass
Violet	B	DAPI	110	62.17	449	-1	0.0724	4096	Pass
Violet	A	AmCyan	145	53.47	504	-1	0.0241	4892	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	-30.04	-29.51	1.19
Blue	20.25	16.19 - 24.29	1.42	1.14 - 1.70	0.00	0.00	1.46
Red	16.78	14.40 - 21.60	N/A	N/A	29.00	29.56	1.26

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9651

Fluidics

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

Comments