

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:	07/03/2023 09:13 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	124770	-1	2.35	124918	2.40
Blue	F	SSC	125000	123339	-2	3.25	123857	3.20
Blue	E	FITC	20434	20049	-2	2.64	423	20.50
Blue	D	PE	34399	33876	-2	1.89	722	13.25
Blue	B	PE-Cy5	48387	47345	-3	3.62	1370	20.16
Blue	A	PE-Cy7	34835	34250	-2	5.08	754	29.83
Red	C	APC	54234	53978	-1	3.45	1747	12.58
Red	A	APC-Cy7	42473	41531	-3	3.21	1243	11.64
Violet	B	DAPI	10884	10429	-5	3.83	664	13.19
Violet	A	AmCyan	41787	40041	-5	3.58	984	14.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17860	14.24	560	-5	N/A	N/A	Pass
Blue	F	SSC	57312	3.20	393	-5	N/A	N/A	Pass
Blue	E	FITC	78	74.13	450	-9	0.0229	472	Pass
Blue	D	PE	148	47.92	480	-10	0.2439	381	Pass
Blue	B	PE-Cy5	253	56.15	618	-12	0.0097	319	Pass
Blue	A	PE-Cy7	147	75.64	629	-14	0.0190	37	Pass
Red	C	APC	391	27.35	662	-5	0.0273	172	Pass
Red	A	APC-Cy7	262	27.93	521	-3	0.0055	996	Pass
Violet	B	DAPI	92	81.73	443	0	0.1440	14557	Pass
Violet	A	AmCyan	142	77.19	504	2	0.0230	11172	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	-29.83	-29.62	1.18
Blue	20.25	16.19 - 24.29	1.46	1.14 - 1.70	0.00	0.00	1.50
Red	17.00	14.40 - 21.60	N/A	N/A	27.47	27.75	1.27

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11033

Fluidics

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

Comments