

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:	02/05/2024 09:40 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	124315	-1	1.27	124543	1.26
Blue	F	SSC	125000	123453	-2	2.55	124007	2.54
Blue	E	FITC	20274	19646	-4	2.63	413	18.73
Blue	D	PE	33957	32999	-3	2.03	698	12.33
Blue	B	PE-Cy5	48011	46685	-3	3.40	1345	17.75
Blue	A	PE-Cy7	35963	35305	-2	4.77	793	26.56
Red	C	APC	55970	56267	0	2.57	1828	12.61
Red	A	APC-Cy7	43527	42599	-3	2.73	1282	11.61
Violet	B	DAPI	12286	11942	-3	2.35	849	10.46
Violet	A	AmCyan	41615	40310	-4	2.16	989	11.85

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17965	2.47	530	-11	N/A	N/A	Pass
Blue	F	SSC	57364	2.09	384	-2	N/A	N/A	Pass
Blue	E	FITC	75	71.28	439	-6	0.0301	575	Pass
Blue	D	PE	143	44.93	470	-6	0.3051	398	Pass
Blue	B	PE-Cy5	255	44.65	604	-8	0.0121	129	Pass
Blue	A	PE-Cy7	159	63.35	620	-8	0.0230	17	Pass
Red	C	APC	407	28.28	674	2	0.0262	203	Pass
Red	A	APC-Cy7	272	28.01	523	-5	0.0054	1004	Pass
Violet	B	DAPI	117	57.49	446	-4	0.0835	4530	Pass
Violet	A	AmCyan	146	58.33	503	-2	0.0242	6311	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	-29.68	-29.47	1.20
Blue	20.25	16.19 - 24.29	1.44	1.14 - 1.70	0.00	0.00	1.45
Red	15.67	14.40 - 21.60	N/A	N/A	29.22	29.58	1.25

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9519

Fluidics

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

Comments