

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:	02/13/2023 08:58 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	124354	-1	1.45	124489	1.41
Blue	F	SSC	125000	126046	0	1.67	126627	1.63
Blue	E	FITC	20434	19866	-3	2.49	418	19.52
Blue	D	PE	34399	33882	-2	1.59	719	13.20
Blue	B	PE-Cy5	48387	47414	-3	3.70	1386	20.07
Blue	A	PE-Cy7	34835	33681	-4	5.58	767	30.52
Red	C	APC	54234	54015	-1	2.48	1760	12.33
Red	A	APC-Cy7	42473	41623	-3	3.25	1314	11.47
Violet	B	DAPI	10884	10566	-3	2.07	687	11.07
Violet	A	AmCyan	41787	40683	-3	1.73	999	11.43

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16562	8.81	555	-10	N/A	N/A	Pass
Blue	F	SSC	58221	1.49	392	-6	N/A	N/A	Pass
Blue	E	FITC	77	68.43	455	-4	0.0242	344	Pass
Blue	D	PE	147	46.42	486	-4	0.2233	300	Pass
Blue	B	PE-Cy5	254	50.29	626	-4	0.0090	92	Pass
Blue	A	PE-Cy7	148	72.65	641	-2	0.0169	10	Pass
Red	C	APC	394	27.04	667	0	0.0271	160	Pass
Red	A	APC-Cy7	282	27.31	525	1	0.0054	1209	Pass
Violet	B	DAPI	94	64.54	447	4	0.0977	5772	Pass
Violet	A	AmCyan	146	56.59	507	5	0.0254	6096	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	59.75	47.84 - 71.76	N/A	N/A	-30.75	-30.57	1.12
Blue	20.25	16.19 - 24.29	1.45	1.14 - 1.70	0.00	0.00	1.49
Red	16.29	14.40 - 21.60	N/A	N/A	28.52	28.72	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9589

Fluidics

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

Comments