

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:	04/17/2023 09:23 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	126361	1	1.57	126495	1.56
Blue	F	SSC	125000	126710	1	2.07	127268	2.00
Blue	E	FITC	20434	19830	-3	2.47	418	18.99
Blue	D	PE	34399	34313	-1	1.70	730	12.68
Blue	B	PE-Cy5	48387	47390	-3	3.54	1371	19.64
Blue	A	PE-Cy7	34835	34048	-3	5.24	741	30.07
Red	C	APC	54234	54708	0	2.45	1786	12.92
Red	A	APC-Cy7	42473	42199	-1	3.08	1252	11.74
Violet	B	DAPI	10884	10516	-4	2.12	675	11.02
Violet	A	AmCyan	41787	40825	-3	1.67	1004	10.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17579	9.47	553	-12	N/A	N/A	Pass
Blue	F	SSC	58583	1.71	392	-6	N/A	N/A	Pass
Blue	E	FITC	77	62.73	452	-7	0.0236	176	Pass
Blue	D	PE	150	45.51	484	-6	0.2627	358	Pass
Blue	B	PE-Cy5	253	47.97	621	-9	0.0094	51	Pass
Blue	A	PE-Cy7	142	72.59	633	-10	0.0182	12	Pass
Red	C	APC	401	28.26	671	4	0.0241	147	Pass
Red	A	APC-Cy7	264	28.81	525	1	0.0055	1303	Pass
Violet	B	DAPI	93	61.47	445	2	0.0823	4120	Pass
Violet	A	AmCyan	144	44.36	505	3	0.0258	3086	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	-30.32	-30.04	1.14
Blue	20.24	16.19 - 24.29	1.44	1.14 - 1.70	0.00	0.00	1.49
Red	16.08	14.40 - 21.60	N/A	N/A	27.94	28.28	1.26

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10010

Fluidics

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

Comments