

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:	10/09/2023 09:29 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	126115	0	1.21	126331	1.19
Blue	F	SSC	125000	125331	0	2.20	125916	2.25
Blue	E	FITC	20434	20182	-2	2.54	424	20.36
Blue	D	PE	34399	34481	0	1.85	731	13.64
Blue	B	PE-Cy5	48387	48081	-1	3.58	1390	19.77
Blue	A	PE-Cy7	34835	34300	-2	5.04	762	29.36
Red	C	APC	54234	54638	0	2.51	1780	13.02
Red	A	APC-Cy7	42473	42446	-1	2.66	1270	11.81
Violet	B	DAPI	10884	10474	-4	3.67	743	11.12
Violet	A	AmCyan	41787	41164	-2	3.54	1013	11.36

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19810	4.49	556	-9	N/A	N/A	Pass
Blue	F	SSC	57769	1.70	397	-1	N/A	N/A	Pass
Blue	E	FITC	77	71.28	455	-4	0.0219	347	Pass
Blue	D	PE	148	50.92	487	-3	0.2402	425	Pass
Blue	B	PE-Cy5	254	51.45	624	-6	0.0096	153	Pass
Blue	A	PE-Cy7	146	72.62	634	-9	0.0190	22	Pass
Red	C	APC	394	29.16	672	5	0.0240	179	Pass
Red	A	APC-Cy7	267	29.07	524	0	0.0052	1244	Pass
Violet	B	DAPI	101	58.99	445	2	0.0721	3959	Pass
Violet	A	AmCyan	148	47.97	512	10	0.0218	3261	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	59.82	47.84 - 71.76	N/A	N/A	-30.69	-29.85	1.09
Blue	20.24	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.50
Red	17.30	14.40 - 21.60	N/A	N/A	27.23	28.17	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 9556

Fluidics

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

Comments