

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:	07/24/2023 12:05 PM
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:	Fail

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	125657	0	6.52	125543	6.58
Blue	F	SSC	125000	124217	-1	2.68	124737	2.75
Blue	E	FITC	20434	19589	-5	3	415	21.7
Blue	D	PE	34399	33566	-3	2.15	711	15.7
Blue	B	PE-Cy5	48387	47141	-3	4.16	1360	22.58
Blue	A	PE-Cy7	34835	34619	-1	5.51	744	33.75
Red	C	APC	54234	53756	-1	4.08	1746	13.86
Red	A	APC-Cy7	42473	42201	-1	3.7	1262	13.05
Violet	B	DAPI	10884	10181	-7	5.22	641	15.97
Violet	A	AmCyan	41787	39785	-5	5.1	977	14.75

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F	
Blue	FSC	FSC	17661	36.19	566	1	N/A	N/A	Pass	
Blue	F	SSC	57508	2.46	408	10	N/A	N/A	Pass	
Blue	E	FITC	75	74.13	467	8	0.0183	288	Pass	
Blue	D	PE	144	54.86	500	10	0.1481	287	Pass	
Blue	B	PE-Cy5	242	59.48	647	17	0.0073	146	Pass	
Blue	A	PE-Cy7	136	88.33	657	14	0.0150	33	Pass	
Red	C	APC	389	30.28	673	6	0.0222	173	Pass	
Red	A	APC-Cy7	264	30.73	529	5	0.0042	787	Pass	
Violet	B	DAPI	87	89.24	489	46	0.0407	4433	Pass	
Violet	A	AmCyan	138	64.06	557	55	(1)	0.0126	3259	Fail

(1) Parameter is out of specifications range.

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	-29.87	-29.13	0.85
Blue	20.24	16.19 - 24.29	1.42	1.14 - 1.70	0.00	0.00	1.45
Red	18.14	14.40 - 21.60	N/A	N/A	26.28	27.20	1.37

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 9604

Fluidics

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

Comments