

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V96300958
Input Device: Carousel
Setup Bead Position: 1
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0
Date: 08/20/2018 09:15 AM
Cytometer Baseline: 06/11/2018 02:40 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 70106 **Expiration Date:** 01/31/2018 (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	124280	-1	1.80	124491	1.75
Blue	F	SSC	125000	124107	-1	3.63	125228	3.57
Blue	E	FITC	18778	18095	-4	3.22	494	17.28
Blue	D	PE	33461	33071	-2	2.86	894	11.56
Blue	B	PE-Cy5	74647	73432	-2	3.62	1707	16.99
Blue	A	PE-Cy7	74829	73367	-2	4.97	993	26.26
Red	C	APC	83387	83665	0	2.21	2658	11.04
Red	A	APC-Cy7	88776	88764	-1	3.12	1624	10.62
Violet	B	DAPI	11708	11277	-4	3.44	825	10.40
Violet	A	AmCyan	45634	44760	-2	3.28	1302	9.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17843	4.56	538	2	N/A	N/A	Pass
Blue	F	SSC	57906	3.61	383	-2	N/A	N/A	Pass
Blue	E	FITC	72	74.13	438	-1	0.0269	455	Pass
Blue	D	PE	151	45.96	479	0	0.2439	283	Pass
Blue	B	PE-Cy5	262	47.99	612	-1	0.0108	149	Pass
Blue	A	PE-Cy7	159	70.60	635	-1	0.0203	18	Pass
Red	C	APC	553	25.07	675	-3	0.0254	174	Pass
Red	A	APC-Cy7	280	28.24	522	-2	0.0055	1123	Pass
Violet	B	DAPI	107	63.30	442	0	0.1263	7588	Pass
Violet	A	AmCyan	159	50.54	493	1	0.0330	5479	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	-29.65	-29.48	1.21
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.52
Red	15.61	14.86 - 22.30	N/A	N/A	27.45	27.74	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10421

Fluidics

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

Comments