

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: 06/18/2018 09:09 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	124031	-1	1.44	124170	1.40
Blue	F	SSC	125000	122786	-2	2.99	123870	2.99
Blue	E	FITC	18778	18265	-3	2.84	500	15.28
Blue	D	PE	33461	32339	-4	2.42	873	11.07
Blue	B	PE-Cy5	74647	73900	-2	3.40	1715	16.25
Blue	A	PE-Cy7	74829	73043	-3	5.14	995	25.99
Red	C	APC	83387	83206	-1	2.19	2651	11.08
Red	A	APC-Cy7	88776	86779	-3	3.94	1598	10.68
Violet	B	DAPI	11708	11438	-3	2.89	830	10.10
Violet	A	AmCyan	45634	45051	-2	2.70	1314	8.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18350	4.40	534	-2	N/A	N/A	Pass
Blue	F	SSC	57223	3.03	380	-5	N/A	N/A	Pass
Blue	E	FITC	72	61.78	437	-2	0.0316	178	Pass
Blue	D	PE	147	44.33	477	-2	0.2621	264	Pass
Blue	B	PE-Cy5	259	46.82	611	-2	0.0119	163	Pass
Blue	A	PE-Cy7	156	69.09	634	-2	0.0204	10	Pass
Red	C	APC	552	25.13	673	-5	0.0251	171	Pass
Red	A	APC-Cy7	274	28.21	521	-3	0.0058	1270	Pass
Violet	B	DAPI	108	57.66	441	-1	0.0881	4017	Pass
Violet	A	AmCyan	160	43.47	491	-1	0.0338	3703	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	-29.89	-29.65	1.20
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	17.38	14.86 - 22.30	N/A	N/A	27.62	27.90	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10329

Fluidics

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

Comments