

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: 04/29/2019 09:12 AM
Cytometer Baseline: 12/17/2018 10:11 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 72518 **Expiration Date:** 09/30/2019
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	124326	-1	1.32	124413	1.29
Blue	F	SSC	125000	123768	-1	2.44	124609	2.34
Blue	E	FITC	19383	18805	-3	2.73	485	16.27
Blue	D	PE	36216	35970	-1	2.07	805	12.03
Blue	B	PE-Cy5	55140	53579	-3	3.40	1514	17.86
Blue	A	PE-Cy7	42167	40870	-4	4.74	951	26.29
Red	C	APC	67610	67019	-1	2.49	1925	13.28
Red	A	APC-Cy7	50926	50322	-2	3.20	1564	11.36
Violet	B	DAPI	12515	12096	-4	2.29	871	10.10
Violet	A	AmCyan	46312	45534	-2	1.99	1418	8.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16301	6.10	540	-2	N/A	N/A	Pass
Blue	F	SSC	57927	1.93	388	3	N/A	N/A	Pass
Blue	E	FITC	74	63.54	438	-1	0.0293	230	Pass
Blue	D	PE	159	43.77	480	1	0.2708	318	Pass
Blue	B	PE-Cy5	237	48.47	609	-3	0.0106	79	Pass
Blue	A	PE-Cy7	138	71.69	627	-3	0.0195	5	Pass
Red	C	APC	375	30.17	675	0	0.0216	50	Pass
Red	A	APC-Cy7	222	33.34	523	-5	0.0048	765	Pass
Violet	B	DAPI	106	58.97	446	3	0.0660	3170	Pass
Violet	A	AmCyan	156	43.67	497	7	0.0292	3428	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	-29.86	-29.63	1.21
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	16.52	12.00 - 18.00	N/A	N/A	27.69	28.01	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9844

Fluidics

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

Comments