

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: 06/11/2019 09:17 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	124197	-1	1.34	124262	1.31
Blue	F	SSC	125000	125651	0	2.04	126533	2.10
Blue	E	FITC	19383	18818	-3	2.55	482	16.78
Blue	D	PE	36216	35872	-1	1.83	806	12.56
Blue	B	PE-Cy5	55140	54228	-2	3.49	1543	18.30
Blue	A	PE-Cy7	42167	40888	-4	5.23	935	27.20
Red	C	APC	67610	67491	-1	2.42	1921	12.95
Red	A	APC-Cy7	50926	49928	-2	3.05	1541	11.40
Violet	B	DAPI	12515	12055	-4	2.21	808	10.36
Violet	A	AmCyan	46312	45427	-2	1.79	1418	7.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17870	7.39	553	11	N/A	N/A	Pass
Blue	F	SSC	58769	1.76	393	8	N/A	N/A	Pass
Blue	E	FITC	75	62.27	445	6	0.0263	170	Pass
Blue	D	PE	160	44.76	486	7	0.2310	285	Pass
Blue	B	PE-Cy5	236	50.37	619	7	0.0100	86	Pass
Blue	A	PE-Cy7	136	75.78	637	7	0.0188	13	Pass
Red	C	APC	373	31.24	677	2	0.0240	159	Pass
Red	A	APC-Cy7	218	33.45	526	-2	0.0047	678	Pass
Violet	B	DAPI	100	61.47	446	3	0.0730	3463	Pass
Violet	A	AmCyan	156	37.36	495	5	0.0326	2412	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	-29.72	-29.45	1.23
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.52
Red	15.19	12.00 - 18.00	N/A	N/A	27.49	27.89	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9823

Fluidics

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

Comments