

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: 03/11/2019 09:13 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	124438	-1	1.62	124526	1.64
Blue	F	SSC	125000	124236	-1	2.06	124974	1.96
Blue	E	FITC	19383	18902	-3	2.59	489	17.44
Blue	D	PE	36216	35797	-2	1.95	803	12.31
Blue	B	PE-Cy5	55140	53026	-4	3.30	1498	17.71
Blue	A	PE-Cy7	42167	41448	-2	4.77	976	25.55
Red	C	APC	67610	67459	-1	2.36	1936	12.80
Red	A	APC-Cy7	50926	50084	-2	3.02	1567	10.83
Violet	B	DAPI	12515	12121	-4	2.27	898	9.35
Violet	A	AmCyan	46312	45408	-2	1.83	1411	8.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15077	6.37	535	-7	N/A	N/A	Pass
Blue	F	SSC	57960	1.49	389	4	N/A	N/A	Pass
Blue	E	FITC	72	74.13	437	-2	0.0268	440	Pass
Blue	D	PE	157	45.62	479	0	0.2601	337	Pass
Blue	B	PE-Cy5	236	50.37	608	-4	0.0111	164	Pass
Blue	A	PE-Cy7	145	71.04	628	-2	0.0208	17	Pass
Red	C	APC	380	30.78	675	0	0.0245	172	Pass
Red	A	APC-Cy7	223	33.14	522	-6	0.0054	1226	Pass
Violet	B	DAPI	110	58.01	445	2	0.1061	5660	Pass
Violet	A	AmCyan	155	47.12	497	7	0.0301	4406	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	-30.00	-29.69	1.21
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.52
Red	16.52	12.00 - 18.00	N/A	N/A	27.87	28.16	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9571

Fluidics

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

Comments