

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: 02/19/2018 09:08 AM
Cytometer Baseline: 10/23/2017 09:39 AM
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	124479	-1	1.02	124637	1.01
Blue	F	SSC	125000	122727	-2	1.98	123883	1.93
Blue	E	FITC	18535	17539	-6	2.36	479	16.78
Blue	D	PE	29708	28582	-4	1.69	771	11.00
Blue	B	PE-Cy5	70430	68227	-4	3.34	1596	16.38
Blue	A	PE-Cy7	70607	69123	-3	4.72	964	25.48
Red	C	APC	76673	75731	-2	3.08	2414	11.27
Red	A	APC-Cy7	78803	76424	-4	4.57	1444	11.19
Violet	B	DAPI	11434	11131	-3	2.29	790	10.44
Violet	A	AmCyan	43596	42893	-2	2.08	1246	9.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18825	5.14	528	-8	N/A	N/A	Pass
Blue	F	SSC	57441	1.84	381	-4	N/A	N/A	Pass
Blue	E	FITC	69	74.13	434	-6	0.0283	439	Pass
Blue	D	PE	131	46.01	467	-6	0.2823	329	Pass
Blue	B	PE-Cy5	248	46.72	605	-4	0.0116	178	Pass
Blue	A	PE-Cy7	155	69.09	631	-2	0.0210	23	Pass
Red	C	APC	501	25.17	666	-1	0.0251	162	Pass
Red	A	APC-Cy7	248	29.33	515	0	0.0053	1445	Pass
Violet	B	DAPI	98	64.06	441	-1	0.0807	3977	Pass
Violet	A	AmCyan	151	53.37	489	-1	0.0357	6733	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	59.80	47.84 - 71.76	N/A	N/A	-30.17	-29.98	1.21
Blue	20.24	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.51
Red	17.30	14.86 - 22.30	N/A	N/A	27.98	28.29	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10149

Fluidics

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

Comments