

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: 06/25/2018 09:16 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	124193	-1	1.78	124286	1.79
Blue	F	SSC	125000	123147	-2	3.50	124352	3.54
Blue	E	FITC	18778	18211	-4	3.24	495	17.74
Blue	D	PE	33461	32744	-3	2.81	883	11.48
Blue	B	PE-Cy5	74647	74845	0	3.50	1754	17.09
Blue	A	PE-Cy7	74829	73540	-2	5.11	1018	26.33
Red	C	APC	83387	83496	0	2.19	2663	11.19
Red	A	APC-Cy7	88776	88463	-1	4.02	1668	10.72
Violet	B	DAPI	11708	11422	-3	2.74	837	10.81
Violet	A	AmCyan	45634	44790	-2	2.56	1302	10.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18180	4.35	535	-1	N/A	N/A	Pass
Blue	F	SSC	57527	3.57	383	-2	N/A	N/A	Pass
Blue	E	FITC	72	83.40	437	-2	0.0298	858	Pass
Blue	D	PE	150	47.92	478	-1	0.2804	388	Pass
Blue	B	PE-Cy5	269	50.26	614	1	0.0108	227	Pass
Blue	A	PE-Cy7	161	71.33	636	0	0.0198	20	Pass
Red	C	APC	556	25.01	675	-3	0.0242	131	Pass
Red	A	APC-Cy7	286	28.40	523	-1	0.0056	1454	Pass
Violet	B	DAPI	108	61.64	440	-2	0.0673	3590	Pass
Violet	A	AmCyan	158	58.16	490	-2	0.0287	6618	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	-29.73	-29.55	1.22
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	16.32	14.86 - 22.30	N/A	N/A	27.47	27.85	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9665

Fluidics

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

Comments