

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: 08/27/2018 09:10 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	124537	-1	2.25	124835	2.25
Blue	F	SSC	125000	124461	-1	3.98	125708	4.04
Blue	E	FITC	18778	17888	-5	3.54	487	16.98
Blue	D	PE	33461	32547	-3	3.20	878	11.21
Blue	B	PE-Cy5	74647	72716	-3	3.73	1696	16.62
Blue	A	PE-Cy7	74829	73162	-3	4.88	1009	25.26
Red	C	APC	83387	83760	0	2.17	2658	11.06
Red	A	APC-Cy7	88776	87369	-2	3.30	1605	10.82
Violet	B	DAPI	11708	11427	-3	3.68	854	10.44
Violet	A	AmCyan	45634	44455	-3	3.59	1297	9.63

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17802	5.18	529	-7	N/A	N/A	Pass
Blue	F	SSC	58314	3.93	379	-6	N/A	N/A	Pass
Blue	E	FITC	70	72.55	433	-6	0.0278	394	Pass
Blue	D	PE	150	44.48	473	-6	0.2810	312	Pass
Blue	B	PE-Cy5	262	45.16	605	-8	0.0111	91	Pass
Blue	A	PE-Cy7	163	64.52	628	-8	0.0211	1	Pass
Red	C	APC	555	24.53	674	-4	0.0249	113	Pass
Red	A	APC-Cy7	274	28.79	521	-3	0.0053	1061	Pass
Violet	B	DAPI	108	60.95	443	1	0.0899	4751	Pass
Violet	A	AmCyan	158	51.67	493	1	0.0341	6051	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	-29.87	-29.66	1.20
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.51
Red	17.23	14.86 - 22.30	N/A	N/A	27.65	27.88	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9800

Fluidics

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

Comments