

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: 08/13/2018 10:07 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	124469	-1	1.54	124593	1.57
Blue	F	SSC	125000	124027	-1	3.45	125229	3.45
Blue	E	FITC	18778	18073	-4	3.20	494	17.44
Blue	D	PE	33461	32889	-2	2.75	892	11.70
Blue	B	PE-Cy5	74647	74339	-1	3.63	1731	17.57
Blue	A	PE-Cy7	74829	73840	-2	5.00	996	26.65
Red	C	APC	83387	83621	0	2.21	2666	11.40
Red	A	APC-Cy7	88776	88721	-1	3.28	1618	11.12
Violet	B	DAPI	11708	11356	-4	2.49	809	10.70
Violet	A	AmCyan	45634	45099	-2	2.03	1314	9.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18388	4.81	539	3	N/A	N/A	Pass
Blue	F	SSC	57686	3.45	384	-1	N/A	N/A	Pass
Blue	E	FITC	73	77.22	439	0	0.0279	605	Pass
Blue	D	PE	151	47.92	480	1	0.2503	340	Pass
Blue	B	PE-Cy5	263	49.99	616	3	0.0100	152	Pass
Blue	A	PE-Cy7	157	71.97	637	1	0.0197	17	Pass
Red	C	APC	557	26.21	681	3	0.0237	204	Pass
Red	A	APC-Cy7	277	29.51	527	3	0.0049	1050	Pass
Violet	B	DAPI	103	64.54	442	0	0.0811	4459	Pass
Violet	A	AmCyan	160	51.67	493	1	0.0290	5011	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	-29.31	-29.10	1.22
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.53
Red	16.81	14.86 - 22.30	N/A	N/A	27.06	27.40	1.35

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10113

Fluidics

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

Comments