

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: 12/04/2017 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
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	124449	-1	2.97	124541	2.93
Blue	F	SSC	125000	124740	-1	4.72	125909	4.73
Blue	E	FITC	18535	18029	-3	4.06	496	17.42
Blue	D	PE	29708	28751	-4	3.86	779	11.95
Blue	B	PE-Cy5	70430	69729	-1	3.65	1621	17.52
Blue	A	PE-Cy7	70607	69900	-2	4.41	938	26.72
Red	C	APC	76673	76686	0	3.00	2452	11.30
Red	A	APC-Cy7	78803	76701	-3	4.30	1385	11.49
Violet	B	DAPI	11434	11165	-3	2.83	788	11.13
Violet	A	AmCyan	43596	42865	-2	2.73	1253	9.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19404	4.85	536	0	N/A	N/A	Pass
Blue	F	SSC	58009	4.89	385	0	N/A	N/A	Pass
Blue	E	FITC	73	72.62	440	0	0.0261	413	Pass
Blue	D	PE	133	49.98	473	0	0.2903	456	Pass
Blue	B	PE-Cy5	248	49.12	611	2	0.0100	131	Pass
Blue	A	PE-Cy7	148	71.88	635	2	0.0194	14	Pass
Red	C	APC	509	25.48	666	-1	0.0249	184	Pass
Red	A	APC-Cy7	239	29.49	512	-3	0.0050	929	Pass
Violet	B	DAPI	99	67.07	443	1	0.0724	4092	Pass
Violet	A	AmCyan	151	54.44	491	1	0.0292	5646	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	-30.41	-29.98	1.18
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.50
Red	17.21	13.43 - 20.15	N/A	N/A	27.79	28.23	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9871

Fluidics

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

Comments