

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: 03/05/2018 09:19 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	125115	0	0.87	125260	0.87
Blue	F	SSC	125000	124990	-1	2.08	126176	2.05
Blue	E	FITC	18535	17860	-4	2.40	486	16.07
Blue	D	PE	29708	28968	-3	1.78	782	10.57
Blue	B	PE-Cy5	70430	68940	-3	3.20	1615	16.32
Blue	A	PE-Cy7	70607	69447	-2	4.85	970	25.09
Red	C	APC	76673	76687	0	3.14	2436	11.32
Red	A	APC-Cy7	78803	77396	-2	4.86	1468	11.22
Violet	B	DAPI	11434	11121	-3	2.17	792	10.19
Violet	A	AmCyan	43596	43053	-2	1.84	1251	9.43

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18776	3.67	524	-12	N/A	N/A	Pass
Blue	F	SSC	58634	2.04	381	-4	N/A	N/A	Pass
Blue	E	FITC	70	66.24	433	-7	0.0287	238	Pass
Blue	D	PE	132	45.49	466	-7	0.3363	398	Pass
Blue	B	PE-Cy5	250	45.55	604	-5	0.0115	128	Pass
Blue	A	PE-Cy7	158	66.36	629	-4	0.0215	16	Pass
Red	C	APC	504	25.56	669	2	0.0252	190	Pass
Red	A	APC-Cy7	254	28.87	517	2	0.0054	1416	Pass
Violet	B	DAPI	97	66.72	440	-2	0.1159	6524	Pass
Violet	A	AmCyan	150	54.24	488	-2	0.0314	5957	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	-30.12	-29.92	1.22
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.51
Red	17.79	14.86 - 22.30	N/A	N/A	27.83	28.21	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9958

Fluidics

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

Comments