

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: 12/05/2016 09:42 AM
Cytometer Baseline: 10/31/2016 09:11 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82950 **Expiration Date:** 03/31/2016 (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	125013	0	2.59	125077	2.63
Blue	F	SSC	125000	124626	-1	3.82	125591	3.78
Blue	E	FITC	19293	18563	-4	2.57	447	20.76
Blue	D	PE	30205	29830	-2	1.74	593	15.33
Blue	B	PE-Cy5	53947	53619	-1	4.12	1065	26.83
Blue	A	PE-Cy7	44503	44382	-1	6.30	592	45.76
Red	C	APC	63278	63670	0	2.99	1523	18.56
Red	A	APC-Cy7	54872	54570	-1	3.86	861	20.21
Violet	B	DAPI	11764	11405	-4	4.08	784	14.46
Violet	A	AmCyan	46171	45791	-1	4.18	1435	12.20

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18653	6.13	582	-8	N/A	N/A	Pass
Blue	F	SSC	62058	3.57	416	-5	N/A	N/A	Pass
Blue	E	FITC	82	78.62	461	-2	0.0218	792	Pass
Blue	D	PE	150	46.95	497	-1	0.1930	358	Pass
Blue	B	PE-Cy5	227	66.80	662	1	0.0063	234	Pass
Blue	A	PE-Cy7	115	125.70	707	3	0.0099	64	Pass
Red	C	APC	430	35.66	735	-6	0.0133	77	Pass
Red	A	APC-Cy7	207	47.48	579	-4	0.0024	1303	Pass
Violet	B	DAPI	102	83.09	482	4	0.0374	3738	Pass
Violet	A	AmCyan	174	62.17	537	6	0.0153	4669	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	47.71 - 71.57	N/A	N/A	-29.51	-29.16	1.13
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.25
Red	16.20	12.75 - 19.13	N/A	N/A	29.93	30.25	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 13807

Fluidics

FACSFlow Pressure: 4.50
Spec.: 4.40 - 4.60
Sample Pressure: 4.30

Comments