

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: 01/23/2017 09:23 AM
Cytometer Baseline: 01/04/2017 03:58 PM
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	125309	0	3.02	125364	3.01
Blue	F	SSC	125000	123803	-1	3.89	124758	3.87
Blue	E	FITC	20501	19795	-4	2.74	475	20.60
Blue	D	PE	34373	33583	-3	1.84	668	16.54
Blue	B	PE-Cy5	59337	58803	-1	5.10	1172	29.40
Blue	A	PE-Cy7	48989	49346	0	9.56	654	51.70
Red	C	APC	60194	60642	0	3.11	1442	17.71
Red	A	APC-Cy7	52685	51782	-2	7.32	827	19.25
Violet	B	DAPI	11362	10944	-4	3.24	756	12.37
Violet	A	AmCyan	47125	46158	-3	3.23	1442	10.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16688	13.43	578	-12	N/A	N/A	Pass
Blue	F	SSC	61652	3.41	416	-5	N/A	N/A	Pass
Blue	E	FITC	87	70.48	469	-5	0.0187	382	Pass
Blue	D	PE	166	51.12	509	-5	0.1601	345	Pass
Blue	B	PE-Cy5	244	69.77	675	-4	0.0050	113	Pass
Blue	A	PE-Cy7	124	139.74	723	-1	0.0078	54	Pass
Red	C	APC	407	34.38	722	1	0.0151	107	Pass
Red	A	APC-Cy7	198	45.89	570	0	0.0032	2231	Pass
Violet	B	DAPI	100	72.36	465	6	0.0581	4515	Pass
Violet	A	AmCyan	177	51.74	521	7	0.0207	4236	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	47.71 - 71.57	N/A	N/A	-30.15	-29.68	1.19
Blue	20.24	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.44
Red	14.87	12.75 - 19.13	N/A	N/A	30.52	30.99	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10230

Fluidics

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

Comments