

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: 12/21/2015 10:22 AM
Cytometer Baseline: 12/15/2015 01:27 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82950 **Expiration Date:** 03/31/2016
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	124602	-1	2.58	124787	2.56
Blue	F	SSC	125000	123060	-2	2.52	123808	2.52
Blue	E	FITC	19512	18645	-5	3.49	449	21.04
Blue	D	PE	34487	33574	-3	3.26	663	17.16
Blue	B	PE-Cy5	58285	57904	-1	5.23	1142	29.92
Blue	A	PE-Cy7	46791	46978	0	6.94	611	53.05
Red	C	APC	58704	58991	0	3.76	1398	17.19
Red	A	APC-Cy7	53810	53106	-2	4.57	843	18.24
Violet	B	DAPI	11790	11288	-5	4.30	797	13.44
Violet	A	AmCyan	45340	44469	-2	4.12	1375	10.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16154	9.50	582	-8	N/A	N/A	Pass
Blue	F	SSC	61616	2.26	417	-4	N/A	N/A	Pass
Blue	E	FITC	81	71.48	468	-6	0.0176	342	Pass
Blue	D	PE	166	52.86	512	-5	0.1613	384	Pass
Blue	B	PE-Cy5	237	71.42	677	0	0.0049	124	Pass
Blue	A	PE-Cy7	114	148.26	728	0	0.0075	59	Pass
Red	C	APC	393	34.14	710	5	0.0170	180	Pass
Red	A	APC-Cy7	202	42.73	561	0	0.0030	1367	Pass
Violet	B	DAPI	108	73.33	478	1	0.0441	3851	Pass
Violet	A	AmCyan	169	51.12	530	3	0.0187	3499	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	59.64	47.71 - 71.57	N/A	N/A	-30.32	-30.04	1.17
Blue	20.25	16.21 - 24.31	1.38	1.14 - 1.70	0.00	0.00	1.45
Red	16.94	13.20 - 19.80	N/A	N/A	29.08	29.40	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 14568

Fluidics

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

Comments