

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: 06/01/2015 09:30 AM
Cytometer Baseline: 03/02/2015 10:16 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 24628 **Expiration Date:** 08/31/2015
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	123192	-2	1.72	123255	1.71
Blue	F	SSC	125000	123172	-2	1.97	123995	1.97
Blue	E	FITC	19605	18730	-5	2.85	437	21.96
Blue	D	PE	34814	34053	-3	1.94	777	14.63
Blue	B	PE-Cy5	54892	52750	-4	4.23	1934	19.38
Blue	A	PE-Cy7	46343	44633	-4	7.45	1331	29.55
Red	C	APC	53666	53497	-1	2.60	2059	12.91
Red	A	APC-Cy7	51403	50626	-2	3.58	2106	10.13
Violet	B	DAPI	11521	10969	-5	2.73	712	12.76
Violet	A	AmCyan	44635	43378	-3	2.19	1125	11.66

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17297	9.17	573	-6	N/A	N/A	Pass
Blue	F	SSC	60277	1.81	408	-2	N/A	N/A	Pass
Blue	E	FITC	87	77.90	461	0	0.0201	748	Pass
Blue	D	PE	179	47.39	501	2	0.1742	350	Pass
Blue	B	PE-Cy5	261	57.80	638	7	0.0070	127	Pass
Blue	A	PE-Cy7	150	95.93	686	20	0.0112	26	Pass
Red	C	APC	406	30.72	690	5	0.0203	149	Pass
Red	A	APC-Cy7	241	32.95	539	9	0.0041	870	Pass
Violet	B	DAPI	109	66.96	463	-7	0.0653	4943	Pass
Violet	A	AmCyan	181	50.06	517	-6	0.0209	4376	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	59.62	47.71 - 71.57	N/A	N/A	-30.29	-29.84	1.18
Blue	20.25	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.47
Red	18.08	13.20 - 19.80	N/A	N/A	28.91	29.35	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9511

Fluidics

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

Comments