

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: 07/20/2015 09:38 AM
Cytometer Baseline: 06/08/2015 10:24 AM
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	124723	-1	1.96	124969	1.96
Blue	F	SSC	125000	123593	-2	2.44	124394	2.45
Blue	E	FITC	20752	20028	-4	3.01	483	21.76
Blue	D	PE	34971	34480	-2	2.14	683	16.37
Blue	B	PE-Cy5	59521	58954	-1	4.32	1174	25.58
Blue	A	PE-Cy7	45673	45527	-1	7.19	593	46.22
Red	C	APC	57794	57676	-1	2.57	1370	16.41
Red	A	APC-Cy7	53499	53128	-1	3.49	837	16.76
Violet	B	DAPI	11638	11047	-6	3.59	791	12.81
Violet	A	AmCyan	43958	42757	-3	3.11	1335	10.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16584	10.45	573	0	N/A	N/A	Pass
Blue	F	SSC	61519	2.20	410	0	N/A	N/A	Pass
Blue	E	FITC	85	81.80	464	-2	0.0183	620	Pass
Blue	D	PE	170	50.28	502	0	0.1635	334	Pass
Blue	B	PE-Cy5	244	62.90	643	5	0.0068	173	Pass
Blue	A	PE-Cy7	121	112.10	689	13	0.0094	24	Pass
Red	C	APC	388	31.97	694	7	0.0178	122	Pass
Red	A	APC-Cy7	200	38.64	543	6	0.0035	961	Pass
Violet	B	DAPI	106	74.98	469	4	0.0570	5393	Pass
Violet	A	AmCyan	163	55.32	520	6	0.0179	4192	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	-29.97	-29.80	1.22
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.48
Red	15.37	13.20 - 19.80	N/A	N/A	28.64	29.07	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9518

Fluidics

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

Comments