

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V96300958	Software:	BD FACSDiva 8.0
Input Device:	Carousel	Date:	03/09/2015 11:22 AM
Setup Bead Position:	1	Cytometer Baseline:	03/02/2015 10:16 AM
Cytometer Configuration:	Canto II Config 3-laser, 8-color (4-2-2)	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	124339	-1	1.24	124394	1.23
Blue	F	SSC	125000	125076	0	1.73	125851	1.66
Blue	E	FITC	19605	18765	-5	2.73	435	19.23
Blue	D	PE	34814	34126	-2	1.82	779	14.15
Blue	B	PE-Cy5	54892	53645	-3	3.68	1969	17.58
Blue	A	PE-Cy7	46343	46006	-1	6.56	1373	26.18
Red	C	APC	53666	53599	-1	2.62	2056	12.96
Red	A	APC-Cy7	51403	50918	-1	2.99	2125	9.77
Violet	B	DAPI	11521	11068	-4	2.58	726	12.21
Violet	A	AmCyan	44635	44005	-2	2.11	1140	10.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17163	7.08	569	-10	N/A	N/A	Pass
Blue	F	SSC	61220	1.54	410	0	N/A	N/A	Pass
Blue	E	FITC	87	57.80	460	-1	0.0209	161	Pass
Blue	D	PE	179	45.34	500	1	0.1799	317	Pass
Blue	B	PE-Cy5	264	52.47	633	2	0.0086	121	Pass
Blue	A	PE-Cy7	159	83.14	669	3	0.0142	22	Pass
Red	C	APC	406	30.28	689	4	0.0200	113	Pass
Red	A	APC-Cy7	241	31.93	533	3	0.0042	693	Pass
Violet	B	DAPI	110	62.85	469	-1	0.0610	3858	Pass
Violet	A	AmCyan	180	33.38	523	0	0.0196	882	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	-30.13	-29.73	1.20
Blue	20.25	16.21 - 24.31	1.38	1.14 - 1.70	0.00	0.00	1.49
Red	16.79	13.20 - 19.80	N/A	N/A	28.84	29.16	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10028

Fluidics

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

Comments