

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:	05/18/2015 09:16 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	124586	-1	1.86	124574	1.86
Blue	F	SSC	125000	123784	-1	1.81	124551	1.83
Blue	E	FITC	19605	18882	-4	2.77	441	21.18
Blue	D	PE	34814	34064	-3	1.84	777	14.27
Blue	B	PE-Cy5	54892	54170	-2	4.28	1978	18.48
Blue	A	PE-Cy7	46343	45335	-3	7.42	1351	27.85
Red	C	APC	53666	53440	-1	2.64	2050	13.09
Red	A	APC-Cy7	51403	50970	-1	3.57	2142	10.12
Violet	B	DAPI	11521	10980	-5	2.63	719	12.31
Violet	A	AmCyan	44635	43163	-4	2.08	1121	11.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19075	9.57	568	-11	N/A	N/A	Pass
Blue	F	SSC	60597	1.86	406	-4	N/A	N/A	Pass
Blue	E	FITC	88	71.66	460	-1	0.0199	541	Pass
Blue	D	PE	180	45.80	499	0	0.1798	331	Pass
Blue	B	PE-Cy5	264	56.83	637	6	0.0079	175	Pass
Blue	A	PE-Cy7	154	91.78	683	17	0.0128	34	Pass
Red	C	APC	403	30.55	689	4	0.0195	103	Pass
Red	A	APC-Cy7	244	32.62	538	8	0.0040	768	Pass
Violet	B	DAPI	113	60.86	461	-9	0.0596	3797	Pass
Violet	A	AmCyan	180	47.13	514	-9	0.0202	3532	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	-30.49	-30.09	1.20
Blue	20.25	16.21 - 24.31	1.44	1.14 - 1.70	0.00	0.00	1.47
Red	18.27	13.20 - 19.80	N/A	N/A	29.04	29.48	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10289

Fluidics

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

Comments