

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:	01/25/2016 10:34 AM
Setup Bead Position:	1	Cytometer Baseline:	12/15/2015 01:27 PM
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: 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	122750	-2	3.91	122980	3.94
Blue	F	SSC	125000	122671	-2	2.93	123461	2.94
Blue	E	FITC	19512	18529	-6	3.93	444	25.99
Blue	D	PE	34487	33401	-4	3.78	654	20.25
Blue	B	PE-Cy5	58285	56857	-3	5.51	1133	32.26
Blue	A	PE-Cy7	46791	46977	0	7.40	632	58.76
Red	C	APC	58704	58757	0	4.17	1395	17.61
Red	A	APC-Cy7	53810	52548	-3	4.94	873	18.96
Violet	B	DAPI	11790	11001	-7	4.74	774	15.99
Violet	A	AmCyan	45340	43913	-4	4.57	1351	14.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15839	14.84	589	-1	N/A	N/A	Pass
Blue	F	SSC	61683	2.54	422	1	N/A	N/A	Pass
Blue	E	FITC	79	97.04	475	1	0.0129	688	Pass
Blue	D	PE	167	60.07	520	3	0.1065	331	Pass
Blue	B	PE-Cy5	235	82.77	688	11	0.0044	266	Pass
Blue	A	PE-Cy7	116	170.22	745	17	0.0060	74	Pass
Red	C	APC	397	34.21	713	8	0.0160	148	Pass
Red	A	APC-Cy7	212	43.41	567	6	0.0027	1309	Pass
Violet	B	DAPI	107	87.31	483	6	0.0306	4056	Pass
Violet	A	AmCyan	168	75.71	538	11	0.0126	6113	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	-30.69	-29.82	1.19
Blue	20.25	16.21 - 24.31	1.44	1.14 - 1.70	0.00	0.00	1.44
Red	17.48	13.20 - 19.80	N/A	N/A	28.46	29.40	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10264

Fluidics

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

Comments