

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:	02/15/2016 09:46 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	124707	-1	2.03	124886	2.05
Blue	F	SSC	125000	123774	-1	1.94	124693	1.90
Blue	E	FITC	19512	18496	-6	3.77	442	25.68
Blue	D	PE	34487	33561	-3	3.84	662	19.10
Blue	B	PE-Cy5	58285	57238	-2	5.76	1134	31.58
Blue	A	PE-Cy7	46791	46138	-2	7.14	599	55.51
Red	C	APC	58704	58323	-1	4.21	1394	17.46
Red	A	APC-Cy7	53810	52324	-3	4.86	803	19.11
Violet	B	DAPI	11790	11256	-5	4.75	758	15.94
Violet	A	AmCyan	45340	44503	-2	4.65	1391	13.49

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16939	11.31	579	-11	N/A	N/A	Pass
Blue	F	SSC	61400	1.62	417	-4	N/A	N/A	Pass
Blue	E	FITC	81	103.25	470	-4	0.0161	1204	Pass
Blue	D	PE	169	57.02	515	-2	0.1235	353	Pass
Blue	B	PE-Cy5	232	82.88	681	4	0.0047	304	Pass
Blue	A	PE-Cy7	111	161.74	732	4	0.0071	76	Pass
Red	C	APC	398	33.64	709	4	0.0162	136	Pass
Red	A	APC-Cy7	195	45.20	564	3	0.0029	1560	Pass
Violet	B	DAPI	102	95.31	486	9	0.0434	6220	Pass
Violet	A	AmCyan	169	74.66	540	13	0.0146	6895	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	-30.04	-29.76	1.22
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.45
Red	17.61	12.75 - 19.13	N/A	N/A	28.94	29.26	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10032

Fluidics

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

Comments