

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: 03/21/2016 10:26 AM
Cytometer Baseline: 12/15/2015 01:27 PM
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	124333	-1	2.07	124675	2.05
Blue	F	SSC	125000	124198	-1	2.47	124953	2.41
Blue	E	FITC	19512	18666	-5	4.26	446	26.48
Blue	D	PE	34487	33562	-3	4.29	658	19.88
Blue	B	PE-Cy5	58285	56742	-3	6.19	1115	34.47
Blue	A	PE-Cy7	46791	46758	-1	8.83	599	61.95
Red	C	APC	58704	59146	0	4.54	1401	18.22
Red	A	APC-Cy7	53810	52657	-3	6.18	828	20.11
Violet	B	DAPI	11790	11277	-5	4.97	774	16.11
Violet	A	AmCyan	45340	44071	-3	5.17	1358	14.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16456	10.14	583	-7	N/A	N/A	Pass
Blue	F	SSC	62698	1.69	422	1	N/A	N/A	Pass
Blue	E	FITC	81	105.90	474	0	0.0149	1151	Pass
Blue	D	PE	166	60.59	521	4	0.1206	390	Pass
Blue	B	PE-Cy5	228	91.96	692	15	0.0040	341	Pass
Blue	A	PE-Cy7	111	184.84	748	20	0.0059	90	Pass
Red	C	APC	400	35.41	720	15	0.0151	158	Pass
Red	A	APC-Cy7	200	47.65	574	13	0.0027	1847	Pass
Violet	B	DAPI	103	97.68	491	14	0.0446	6939	Pass
Violet	A	AmCyan	168	77.35	545	18	0.0135	6941	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	-29.76	-29.51	1.22
Blue	20.25	16.21 - 24.31	1.38	1.14 - 1.70	0.00	0.00	1.45
Red	15.80	12.75 - 19.13	N/A	N/A	28.63	29.00	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11044

Fluidics

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

Comments