

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: 01/04/2016 10:48 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	121173	-4	2.79	121368	2.67
Blue	F	SSC	125000	114568	-9	2.60	115370	2.54
Blue	E	FITC	19512	18284	-7	3.59	439	27.62
Blue	D	PE	34487	32848	-5	3.26	643	19.86
Blue	B	PE-Cy5	58285	56881	-3	5.65	1124	32.76
Blue	A	PE-Cy7	46791	45979	-2	8.37	623	58.76
Red	C	APC	58704	57975	-2	4.19	1373	17.80
Red	A	APC-Cy7	53810	51502	-5	6.31	838	20.34
Violet	B	DAPI	11790	10741	-9	4.27	803	16.13
Violet	A	AmCyan	45340	43350	-5	4.14	1338	17.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15292	11.64	583	-7	N/A	N/A	Pass
Blue	F	SSC	57492	2.16	415	-6	N/A	N/A	Pass
Blue	E	FITC	77	118.06	470	-4	0.0148	1441	Pass
Blue	D	PE	163	61.12	514	-3	0.1213	407	Pass
Blue	B	PE-Cy5	235	89.50	682	5	0.0046	444	Pass
Blue	A	PE-Cy7	114	177.91	740	12	0.0063	100	Pass
Red	C	APC	390	33.80	709	4	0.0153	86	Pass
Red	A	APC-Cy7	205	45.42	567	6	0.0024	1146	Pass
Violet	B	DAPI	109	95.65	473	-4	0.0360	6623	Pass
Violet	A	AmCyan	171	107.36	528	1	0.0121	14024	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	-30.26	-29.89	1.18
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.44
Red	16.73	13.20 - 19.80	N/A	N/A	29.15	29.39	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10068

Fluidics

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

Comments