

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: 02/13/2017 09:53 AM
Cytometer Baseline: 01/04/2017 03:58 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82950 **Expiration Date:** 03/31/2016 (Expired)
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	123657	-2	3.22	123956	3.28
Blue	F	SSC	125000	124124	-1	4.07	125069	4.02
Blue	E	FITC	20501	19660	-5	2.80	474	21.76
Blue	D	PE	34373	33722	-2	1.90	670	17.33
Blue	B	PE-Cy5	59337	58569	-2	4.95	1160	29.65
Blue	A	PE-Cy7	48989	49587	1	7.04	643	52.09
Red	C	APC	60194	61008	1	3.12	1460	18.15
Red	A	APC-Cy7	52685	52301	-1	4.09	817	19.67
Violet	B	DAPI	11362	10910	-4	2.63	753	12.24
Violet	A	AmCyan	47125	46393	-2	2.41	1447	9.43

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14585	14.68	584	-6	N/A	N/A	Pass
Blue	F	SSC	61472	3.88	421	0	N/A	N/A	Pass
Blue	E	FITC	87	76.60	471	-3	0.0172	484	Pass
Blue	D	PE	169	53.22	512	-2	0.1497	371	Pass
Blue	B	PE-Cy5	242	73.69	677	-2	0.0051	201	Pass
Blue	A	PE-Cy7	120	146.47	725	1	0.0079	61	Pass
Red	C	APC	412	35.14	726	5	0.0142	99	Pass
Red	A	APC-Cy7	196	46.72	573	3	0.0026	1474	Pass
Violet	B	DAPI	99	69.66	460	1	0.0494	3391	Pass
Violet	A	AmCyan	178	41.79	517	3	0.0210	2294	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	59.80	47.71 - 71.57	N/A	N/A	-29.55	-29.24	1.20
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.45
Red	16.00	12.75 - 19.13	N/A	N/A	30.13	30.54	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9709

Fluidics

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

Comments