

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: 02/06/2017 09:31 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	124461	-1	3.19	124694	3.15
Blue	F	SSC	125000	123936	-1	4.41	124938	4.35
Blue	E	FITC	20501	19457	-6	2.84	473	23.05
Blue	D	PE	34373	33724	-2	1.94	670	17.54
Blue	B	PE-Cy5	59337	57770	-3	5.14	1151	30.28
Blue	A	PE-Cy7	48989	48055	-2	7.95	630	53.27
Red	C	APC	60194	60769	0	3.04	1449	18.28
Red	A	APC-Cy7	52685	51500	-3	4.88	819	19.68
Violet	B	DAPI	11362	10841	-5	2.93	769	12.13
Violet	A	AmCyan	47125	45306	-4	2.84	1406	10.39

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14979	17.40	582	-8	N/A	N/A	Pass
Blue	F	SSC	61903	4.20	420	-1	N/A	N/A	Pass
Blue	E	FITC	83	92.02	471	-3	0.0179	914	Pass
Blue	D	PE	168	53.22	513	-1	0.1379	328	Pass
Blue	B	PE-Cy5	239	77.70	678	-1	0.0050	268	Pass
Blue	A	PE-Cy7	124	146.54	725	1	0.0076	70	Pass
Red	C	APC	409	35.99	726	5	0.0142	138	Pass
Red	A	APC-Cy7	197	46.16	571	1	0.0026	1447	Pass
Violet	B	DAPI	103	68.17	463	4	0.0518	3779	Pass
Violet	A	AmCyan	175	50.09	519	5	0.0194	3650	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	-29.82	-29.46	1.19
Blue	20.24	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.44
Red	16.53	12.75 - 19.13	N/A	N/A	30.23	30.67	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10278

Fluidics

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

Comments