

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: 09/25/2017 09:26 AM
Cytometer Baseline: 06/19/2017 09:29 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 70106 **Expiration Date:** 01/31/2018
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	124085	-1	2.86	124263	2.89
Blue	F	SSC	125000	124807	-1	2.53	125996	2.46
Blue	E	FITC	17685	17091	-4	3.58	468	16.78
Blue	D	PE	28926	27806	-4	3.53	749	11.62
Blue	B	PE-Cy5	65854	65021	-2	5.26	1511	17.99
Blue	A	PE-Cy7	61678	60577	-2	6.74	832	28.58
Red	C	APC	76597	75779	-2	2.86	2412	12.34
Red	A	APC-Cy7	81407	81699	0	2.79	1507	11.92
Violet	B	DAPI	11628	11254	-4	4.00	797	11.77
Violet	A	AmCyan	47630	47115	-2	4.02	1374	9.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19035	6.56	548	-20	N/A	N/A	Pass
Blue	F	SSC	57511	2.32	389	-9	N/A	N/A	Pass
Blue	E	FITC	68	74.13	438	-13	0.0303	539	Pass
Blue	D	PE	127	48.31	472	-14	0.2931	407	Pass
Blue	B	PE-Cy5	232	49.42	613	-15	0.0100	130	Pass
Blue	A	PE-Cy7	133	73.33	636	-15	0.0169	5	Pass
Red	C	APC	497	27.72	684	-3	0.0199	126	Pass
Red	A	APC-Cy7	261	32.10	533	-1	0.0041	1199	Pass
Violet	B	DAPI	97	71.24	450	3	0.0678	4129	Pass
Violet	A	AmCyan	165	49.80	504	5	0.0279	4167	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	59.82	47.71 - 71.57	N/A	N/A	-30.32	-30.13	1.27
Blue	20.24	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.43
Red	19.87	14.79 - 22.19	N/A	N/A	28.99	29.37	1.35

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 12391

Fluidics

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

Comments