

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: 02/18/2019 09:01 AM
Cytometer Baseline: 12/17/2018 10:11 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 72518 **Expiration Date:** 09/30/2019
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	123539	-2	1.47	123600	1.45
Blue	F	SSC	125000	123115	-2	2.24	124023	2.11
Blue	E	FITC	19383	18766	-4	2.57	488	16.98
Blue	D	PE	36216	35246	-3	1.95	789	11.93
Blue	B	PE-Cy5	55140	53072	-4	3.28	1499	17.50
Blue	A	PE-Cy7	42167	41335	-2	4.75	956	24.87
Red	C	APC	67610	67371	-1	2.34	1928	12.43
Red	A	APC-Cy7	50926	50023	-2	3.02	1528	10.58
Violet	B	DAPI	12515	12224	-3	2.32	860	9.83
Violet	A	AmCyan	46312	45630	-2	2.01	1416	8.89

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15644	4.80	529	-13	N/A	N/A	Pass
Blue	F	SSC	57559	1.69	387	2	N/A	N/A	Pass
Blue	E	FITC	74	75.64	435	-4	0.0315	670	Pass
Blue	D	PE	155	44.62	476	-3	0.2931	366	Pass
Blue	B	PE-Cy5	236	51.32	605	-7	0.0115	218	Pass
Blue	A	PE-Cy7	142	70.98	624	-6	0.0227	25	Pass
Red	C	APC	377	29.96	669	-6	0.0263	176	Pass
Red	A	APC-Cy7	218	31.26	519	-9	0.0057	786	Pass
Violet	B	DAPI	109	59.30	442	-1	0.0957	5044	Pass
Violet	A	AmCyan	155	52.12	491	1	0.0318	6033	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	47.84 - 71.76	N/A	N/A	-30.02	-29.75	1.21
Blue	20.24	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.51
Red	17.23	12.00 - 18.00	N/A	N/A	27.93	28.21	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9523

Fluidics

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

Comments