

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: 12/11/2017 09:25 AM
Cytometer Baseline: 10/23/2017 09:39 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	123934	-1	3.13	124095	3.14
Blue	F	SSC	125000	122367	-3	4.94	123547	4.90
Blue	E	FITC	18535	17915	-4	4.29	490	16.27
Blue	D	PE	29708	28826	-3	4.10	779	11.64
Blue	B	PE-Cy5	70430	68918	-3	3.85	1606	16.83
Blue	A	PE-Cy7	70607	68755	-3	4.60	939	26.40
Red	C	APC	76673	76216	-1	2.98	2437	11.32
Red	A	APC-Cy7	78803	76580	-3	4.48	1414	11.15
Violet	B	DAPI	11434	11160	-3	2.61	793	10.48
Violet	A	AmCyan	43596	43001	-2	2.47	1249	9.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19219	4.28	529	-7	N/A	N/A	Pass
Blue	F	SSC	57312	5.06	383	-2	N/A	N/A	Pass
Blue	E	FITC	71	67.95	436	-4	0.0309	345	Pass
Blue	D	PE	132	46.64	469	-4	0.2882	359	Pass
Blue	B	PE-Cy5	248	45.55	607	-2	0.0109	83	Pass
Blue	A	PE-Cy7	150	68.99	630	-3	0.0195	7	Pass
Red	C	APC	506	24.13	664	-3	0.0239	41	Pass
Red	A	APC-Cy7	243	29.17	511	-4	0.0054	1306	Pass
Violet	B	DAPI	97	64.86	440	-2	0.0840	4219	Pass
Violet	A	AmCyan	151	49.02	488	-2	0.0324	4782	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	47.84 - 71.76	N/A	N/A	-30.29	-30.01	1.22
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.49
Red	17.32	13.43 - 20.15	N/A	N/A	27.93	28.26	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9914

Fluidics

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

Comments