

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: 04/03/2018 09:36 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 (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	124968	-1	0.98	125109	0.99
Blue	F	SSC	125000	122827	-2	2.43	123912	2.46
Blue	E	FITC	18535	17969	-4	2.52	494	16.88
Blue	D	PE	29708	29012	-3	1.87	785	11.18
Blue	B	PE-Cy5	70430	68683	-3	3.29	1593	16.98
Blue	A	PE-Cy7	70607	69077	-3	5.15	939	26.15
Red	C	APC	76673	75784	-2	3.05	2420	11.34
Red	A	APC-Cy7	78803	76633	-3	4.98	1402	11.49
Violet	B	DAPI	11434	11211	-2	2.27	801	10.98
Violet	A	AmCyan	43596	42866	-2	1.76	1252	9.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18916	4.72	534	-2	N/A	N/A	Pass
Blue	F	SSC	57346	2.44	382	-3	N/A	N/A	Pass
Blue	E	FITC	72	74.13	436	-4	0.0285	519	Pass
Blue	D	PE	135	48.31	470	-3	0.3093	458	Pass
Blue	B	PE-Cy5	244	48.81	607	-2	0.0108	173	Pass
Blue	A	PE-Cy7	152	69.68	631	-2	0.0204	17	Pass
Red	C	APC	504	25.24	667	0	0.0246	154	Pass
Red	A	APC-Cy7	242	29.49	515	0	0.0053	1277	Pass
Violet	B	DAPI	98	66.72	440	-2	0.0656	3549	Pass
Violet	A	AmCyan	150	57.12	488	-2	0.0289	6270	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	-29.84	-29.63	1.24
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.52
Red	18.28	14.86 - 22.30	N/A	N/A	27.61	28.01	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9828

Fluidics

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

Comments