

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: 02/12/2018 10:04 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	124102	-1	1.26	124253	1.26
Blue	F	SSC	125000	123583	-2	2.21	124709	2.20
Blue	E	FITC	18535	17875	-4	2.39	490	16.42
Blue	D	PE	29708	28808	-4	1.71	778	11.49
Blue	B	PE-Cy5	70430	69559	-2	3.19	1627	17.18
Blue	A	PE-Cy7	70607	69834	-2	4.74	956	26.19
Red	C	APC	76673	76683	0	3.24	2445	11.40
Red	A	APC-Cy7	78803	76940	-3	4.84	1444	11.50
Violet	B	DAPI	11434	11225	-2	2.15	790	10.28
Violet	A	AmCyan	43596	43082	-2	1.63	1252	9.01

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19032	6.82	532	-4	N/A	N/A	Pass
Blue	F	SSC	57718	2.10	384	-1	N/A	N/A	Pass
Blue	E	FITC	72	74.13	436	-4	0.0315	594	Pass
Blue	D	PE	132	47.17	470	-3	0.2457	305	Pass
Blue	B	PE-Cy5	251	47.94	609	0	0.0103	128	Pass
Blue	A	PE-Cy7	150	69.68	634	1	0.0199	10	Pass
Red	C	APC	506	25.75	671	4	0.0249	197	Pass
Red	A	APC-Cy7	250	29.97	518	3	0.0051	1527	Pass
Violet	B	DAPI	98	64.06	441	-1	0.0919	4574	Pass
Violet	A	AmCyan	149	50.63	489	-1	0.0324	5084	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	-29.94	-29.71	1.22
Blue	20.25	16.21 - 24.31	1.38	1.14 - 1.70	0.00	0.00	1.51
Red	17.48	14.86 - 22.30	N/A	N/A	27.63	28.02	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9619

Fluidics

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

Comments