

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: 11/30/2020 09:13 AM
Cytometer Baseline: 06/24/2019 09:23 AM (Expired)
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 72518 **Expiration Date:** 09/30/2019 (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	124628	-1	1.85	124674	1.79
Blue	F	SSC	125000	124834	-1	1.96	125757	1.94
Blue	E	FITC	19687	18946	-4	2.54	489	17.50
Blue	D	PE	35036	34621	-2	1.86	779	12.14
Blue	B	PE-Cy5	53922	52611	-3	3.52	1490	18.59
Blue	A	PE-Cy7	41443	40726	-2	5.07	928	26.93
Red	C	APC	64207	64043	-1	2.55	1825	12.82
Red	A	APC-Cy7	48785	47400	-3	2.58	1449	11.03
Violet	B	DAPI	11947	11538	-4	3.85	784	10.57
Violet	A	AmCyan	48649	48298	-1	3.84	1510	8.92

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16718	10.87	551	-9	N/A	N/A	Pass
Blue	F	SSC	58090	1.67	390	-6	N/A	N/A	Pass
Blue	E	FITC	75	71.16	446	-2	0.0265	418	Pass
Blue	D	PE	153	46.97	483	-2	0.3074	468	Pass
Blue	B	PE-Cy5	229	52.04	616	-4	0.0098	115	Pass
Blue	A	PE-Cy7	130	77.58	634	-5	0.0193	17	Pass
Red	C	APC	353	30.31	670	-8	0.0243	123	Pass
Red	A	APC-Cy7	206	33.05	521	-9	0.0050	803	Pass
Violet	B	DAPI	99	62.79	445	-5	0.1004	5521	Pass
Violet	A	AmCyan	170	42.65	506	1	0.0318	3799	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	-30.10	-29.85	1.17
Blue	20.24	16.21 - 24.31	1.44	1.14 - 1.70	0.00	0.00	1.52
Red	16.45	12.80 - 19.20	N/A	N/A	27.96	28.29	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9516

Fluidics

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

Comments