

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: 09/30/2019 09:56 AM
Cytometer Baseline: 06/24/2019 09:23 AM
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	124773	-1	1.48	124888	1.48
Blue	F	SSC	125000	125095	0	1.50	126022	1.48
Blue	E	FITC	19687	19042	-4	2.51	490	17.14
Blue	D	PE	35036	34629	-2	1.79	780	12.23
Blue	B	PE-Cy5	53922	52722	-3	3.60	1481	18.88
Blue	A	PE-Cy7	41443	40204	-3	5.38	923	26.84
Red	C	APC	64207	63969	-1	3.06	1819	13.17
Red	A	APC-Cy7	48785	48235	-2	2.75	1472	11.48
Violet	B	DAPI	11947	11537	-4	2.19	760	9.92
Violet	A	AmCyan	48649	47805	-2	1.79	1491	7.94

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16329	6.93	544	-16	N/A	N/A	Pass
Blue	F	SSC	57647	1.18	389	-7	N/A	N/A	Pass
Blue	E	FITC	76	71.16	442	-6	0.0288	493	Pass
Blue	D	PE	151	46.42	480	-5	0.2719	377	Pass
Blue	B	PE-Cy5	228	52.74	613	-7	0.0096	113	Pass
Blue	A	PE-Cy7	133	76.69	630	-9	0.0195	20	Pass
Red	C	APC	356	30.86	672	-6	0.0234	127	Pass
Red	A	APC-Cy7	208	34.00	525	-5	0.0046	685	Pass
Violet	B	DAPI	93	63.54	436	-14	0.1111	5472	Pass
Violet	A	AmCyan	163	40.63	492	-13	0.0340	3327	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	-29.35	-29.11	1.21
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.53
Red	16.42	12.00 - 18.00	N/A	N/A	27.26	27.56	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9709

Fluidics

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

Comments