

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: 03/02/2020 09:20 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	123433	-2	2.32	123418	2.31
Blue	F	SSC	125000	124361	-1	1.57	125310	1.52
Blue	E	FITC	19687	19164	-3	2.39	493	17.28
Blue	D	PE	35036	34467	-2	1.69	773	12.19
Blue	B	PE-Cy5	53922	52625	-3	3.79	1489	18.08
Blue	A	PE-Cy7	41443	39921	-4	6.13	921	26.54
Red	C	APC	64207	63897	-1	2.27	1820	12.48
Red	A	APC-Cy7	48785	47424	-3	3.54	1479	10.72
Violet	B	DAPI	11947	11673	-3	2.86	789	9.91
Violet	A	AmCyan	48649	47910	-2	2.72	1494	8.04

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17576	9.47	544	-16	N/A	N/A	Pass
Blue	F	SSC	58031	1.29	388	-8	N/A	N/A	Pass
Blue	E	FITC	77	69.77	443	-5	0.0272	410	Pass
Blue	D	PE	152	45.51	479	-6	0.2731	367	Pass
Blue	B	PE-Cy5	230	50.72	612	-8	0.0105	126	Pass
Blue	A	PE-Cy7	134	73.30	630	-9	0.0199	13	Pass
Red	C	APC	355	29.76	664	-14	0.0259	146	Pass
Red	A	APC-Cy7	210	31.70	518	-12	0.0056	927	Pass
Violet	B	DAPI	98	60.01	437	-13	0.1021	4832	Pass
Violet	A	AmCyan	165	43.11	493	-12	0.0421	5261	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	-30.19	-29.86	1.17
Blue	20.24	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.51
Red	16.57	12.80 - 19.20	N/A	N/A	28.03	28.33	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9584

Fluidics

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

Comments