

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: UserName1
Institution: N/A
Software: BD FACSDiva 8.0
Date: 03/09/2020 09:10 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	124781	-1	1.75	124850	1.74
Blue	F	SSC	125000	124471	-1	1.78	125371	1.74
Blue	E	FITC	19687	19368	-2	2.31	497	16.37
Blue	D	PE	35036	34566	-2	1.64	775	11.97
Blue	B	PE-Cy5	53922	51971	-4	3.45	1473	17.50
Blue	A	PE-Cy7	41443	40809	-2	5.69	952	25.42
Red	C	APC	64207	64037	-1	2.33	1828	12.85
Red	A	APC-Cy7	48785	47292	-4	3.76	1481	11.11
Violet	B	DAPI	11947	11707	-3	3.07	793	9.99
Violet	A	AmCyan	48649	48063	-2	2.83	1494	8.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17881	9.47	537	-23	N/A	N/A	Pass
Blue	F	SSC	58342	1.59	385	-11	N/A	N/A	Pass
Blue	E	FITC	77	66.86	439	-9	0.0311	414	Pass
Blue	D	PE	154	44.04	475	-10	0.2773	343	Pass
Blue	B	PE-Cy5	227	49.75	606	-14	0.0113	142	Pass
Blue	A	PE-Cy7	141	68.55	626	-13	0.0214	8	Pass
Red	C	APC	356	29.65	668	-10	0.0236	78	Pass
Red	A	APC-Cy7	211	32.43	520	-10	0.0052	878	Pass
Violet	B	DAPI	98	60.73	439	-11	0.1045	5078	Pass
Violet	A	AmCyan	163	44.05	495	-10	0.0358	4453	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	-30.10	-29.76	1.19
Blue	20.24	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.53
Red	17.62	12.80 - 19.20	N/A	N/A	27.91	28.23	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11084

Fluidics

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

Comments