

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: 07/27/2020 08:57 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	126589	1	1.53	126692	1.54
Blue	F	SSC	125000	126194	0	1.23	127032	1.18
Blue	E	FITC	19687	19375	-2	2.40	503	16.72
Blue	D	PE	35036	34522	-2	1.67	773	12.06
Blue	B	PE-Cy5	53922	52604	-3	3.40	1480	17.53
Blue	A	PE-Cy7	41443	40531	-3	4.94	930	24.95
Red	C	APC	64207	63706	-1	2.49	1820	12.73
Red	A	APC-Cy7	48785	47561	-3	2.44	1449	10.98
Violet	B	DAPI	11947	11696	-3	2.82	814	10.37
Violet	A	AmCyan	48649	48026	-2	2.57	1497	9.05

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15262	10.40	538	-22	N/A	N/A	Pass
Blue	F	SSC	59073	0.99	384	-12	N/A	N/A	Pass
Blue	E	FITC	78	69.77	439	-9	0.0301	501	Pass
Blue	D	PE	153	44.48	475	-10	0.2728	344	Pass
Blue	B	PE-Cy5	231	50.07	606	-14	0.0114	166	Pass
Blue	A	PE-Cy7	135	72.45	622	-17	0.0229	26	Pass
Red	C	APC	356	30.31	665	-13	0.0248	148	Pass
Red	A	APC-Cy7	205	32.52	517	-13	0.0050	626	Pass
Violet	B	DAPI	102	63.79	441	-9	0.0921	5494	Pass
Violet	A	AmCyan	166	51.89	499	-6	0.0317	6201	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	-29.76	-29.50	1.19
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.54
Red	17.37	12.80 - 19.20	N/A	N/A	27.60	27.96	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9548

Fluidics

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

Comments