

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: 01/20/2020 09:08 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	124205	-1	1.97	124293	1.98
Blue	F	SSC	125000	125310	0	1.68	126189	1.67
Blue	E	FITC	19687	19006	-4	2.42	489	17.04
Blue	D	PE	35036	34935	-1	1.67	783	12.38
Blue	B	PE-Cy5	53922	52865	-2	3.57	1495	17.95
Blue	A	PE-Cy7	41443	40236	-3	5.41	923	26.13
Red	C	APC	64207	64233	0	2.37	1833	12.74
Red	A	APC-Cy7	48785	47344	-3	3.05	1460	11.07
Violet	B	DAPI	11947	11633	-3	3.75	791	10.79
Violet	A	AmCyan	48649	48030	-2	3.77	1495	8.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17473	9.93	544	-16	N/A	N/A	Pass
Blue	F	SSC	58551	1.50	386	-10	N/A	N/A	Pass
Blue	E	FITC	76	71.16	441	-7	0.0292	487	Pass
Blue	D	PE	156	44.62	479	-6	0.2458	313	Pass
Blue	B	PE-Cy5	231	50.72	611	-9	0.0107	137	Pass
Blue	A	PE-Cy7	133	75.81	629	-10	0.0208	27	Pass
Red	C	APC	358	29.87	665	-13	0.0244	113	Pass
Red	A	APC-Cy7	208	32.64	517	-13	0.0051	780	Pass
Violet	B	DAPI	100	61.05	441	-9	0.0732	3654	Pass
Violet	A	AmCyan	165	45.21	497	-8	0.0325	4386	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	-29.94	1.18
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	16.37	12.80 - 19.20	N/A	N/A	28.03	28.33	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9939

Fluidics

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

Comments