

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: 07/08/2019 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
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	124483	-1	2.58	124589	2.54
Blue	F	SSC	125000	123353	-2	2.45	124324	2.38
Blue	E	FITC	19687	18809	-5	2.52	482	17.77
Blue	D	PE	35036	34812	-1	1.87	780	12.43
Blue	B	PE-Cy5	53922	52175	-4	3.51	1481	18.72
Blue	A	PE-Cy7	41443	40478	-3	5.24	929	27.42
Red	C	APC	64207	64309	0	2.56	1832	13.43
Red	A	APC-Cy7	48785	48212	-2	2.94	1501	11.67
Violet	B	DAPI	11947	11583	-4	2.35	771	10.88
Violet	A	AmCyan	48649	48397	-1	1.92	1505	8.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17975	15.25	553	-7	N/A	N/A	Pass
Blue	F	SSC	57621	2.41	392	-4	N/A	N/A	Pass
Blue	E	FITC	76	71.16	443	-5	0.0257	407	Pass
Blue	D	PE	153	46.97	482	-3	0.2703	396	Pass
Blue	B	PE-Cy5	228	52.39	614	-6	0.0096	114	Pass
Blue	A	PE-Cy7	135	76.63	633	-6	0.0184	14	Pass
Red	C	APC	355	32.09	677	-1	0.0220	137	Pass
Red	A	APC-Cy7	212	35.21	528	-2	0.0044	954	Pass
Violet	B	DAPI	95	64.63	448	-2	0.0652	3404	Pass
Violet	A	AmCyan	164	43.15	505	0	0.0284	3147	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	-29.58	-29.32	1.23
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.52
Red	12.97	12.00 - 18.00	N/A	N/A	27.50	27.69	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9529

Fluidics

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

Comments