

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: 02/03/2020 09:19 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	124431	-1	2.19	124519	2.14
Blue	F	SSC	125000	125110	0	1.71	126035	1.70
Blue	E	FITC	19687	19143	-3	2.36	495	15.51
Blue	D	PE	35036	34340	-2	1.66	770	11.72
Blue	B	PE-Cy5	53922	51829	-4	3.53	1463	17.59
Blue	A	PE-Cy7	41443	40955	-2	5.63	952	25.62
Red	C	APC	64207	64097	-1	2.38	1823	12.56
Red	A	APC-Cy7	48785	48285	-2	2.98	1502	10.94
Violet	B	DAPI	11947	11750	-2	2.88	792	9.65
Violet	A	AmCyan	48649	48245	-1	2.83	1500	7.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17613	8.20	538	-22	N/A	N/A	Pass
Blue	F	SSC	58404	1.41	384	-12	N/A	N/A	Pass
Blue	E	FITC	77	61.05	438	-10	0.0331	270	Pass
Blue	D	PE	152	43.00	475	-10	0.2850	323	Pass
Blue	B	PE-Cy5	230	47.13	606	-14	0.0109	65	Pass
Blue	A	PE-Cy7	141	70.14	626	-13	0.0212	13	Pass
Red	C	APC	356	29.10	665	-13	0.0252	93	Pass
Red	A	APC-Cy7	213	32.95	520	-10	0.0052	997	Pass
Violet	B	DAPI	99	57.56	439	-11	0.1095	4731	Pass
Violet	A	AmCyan	165	35.75	495	-10	0.0413	2864	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	-30.06	-29.80	1.17
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	18.60	12.80 - 19.20	N/A	N/A	27.87	28.19	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9731

Fluidics

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

Comments