

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: 01/13/2020 09:35 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	123942	-1	1.62	124046	1.60
Blue	F	SSC	125000	125694	0	1.38	126634	1.35
Blue	E	FITC	19687	19186	-3	2.32	495	15.97
Blue	D	PE	35036	34373	-2	1.59	770	11.72
Blue	B	PE-Cy5	53922	52219	-4	3.39	1483	17.51
Blue	A	PE-Cy7	41443	40915	-2	5.35	949	24.75
Red	C	APC	64207	63834	-1	2.31	1818	12.62
Red	A	APC-Cy7	48785	47626	-3	3.04	1477	10.67
Violet	B	DAPI	11947	11569	-4	3.48	798	10.56
Violet	A	AmCyan	48649	47734	-2	3.53	1491	8.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16397	9.45	532	-28	N/A	N/A	Pass
Blue	F	SSC	59037	1.04	383	-13	N/A	N/A	Pass
Blue	E	FITC	76	65.23	436	-12	0.0320	349	Pass
Blue	D	PE	152	43.00	473	-12	0.2839	321	Pass
Blue	B	PE-Cy5	230	47.13	603	-17	0.0109	59	Pass
Blue	A	PE-Cy7	141	68.55	622	-17	0.0229	17	Pass
Red	C	APC	356	29.98	665	-13	0.0252	143	Pass
Red	A	APC-Cy7	209	31.97	517	-13	0.0056	932	Pass
Violet	B	DAPI	101	59.64	440	-10	0.0733	3573	Pass
Violet	A	AmCyan	163	47.32	496	-9	0.0370	5690	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	-30.23	-29.93	1.16
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.52
Red	16.24	12.80 - 19.20	N/A	N/A	28.13	28.39	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9597

Fluidics

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

Comments