

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: 01/06/2020 09:21 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	124765	-1	1.56	124870	1.53
Blue	F	SSC	125000	123615	-2	1.38	124548	1.37
Blue	E	FITC	19687	19054	-4	2.35	491	17.04
Blue	D	PE	35036	34317	-3	1.61	771	12.04
Blue	B	PE-Cy5	53922	52459	-3	3.48	1484	17.54
Blue	A	PE-Cy7	41443	40489	-3	5.46	930	25.81
Red	C	APC	64207	63982	-1	2.35	1820	12.70
Red	A	APC-Cy7	48785	47847	-2	3.13	1473	10.95
Violet	B	DAPI	11947	11598	-3	3.25	790	10.76
Violet	A	AmCyan	48649	47774	-2	3.24	1494	8.91

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16830	8.76	537	-23	N/A	N/A	Pass
Blue	F	SSC	57741	1.17	384	-12	N/A	N/A	Pass
Blue	E	FITC	76	71.16	438	-10	0.0291	490	Pass
Blue	D	PE	152	44.48	475	-10	0.2726	344	Pass
Blue	B	PE-Cy5	232	49.75	607	-13	0.0113	154	Pass
Blue	A	PE-Cy7	139	71.69	625	-14	0.0212	18	Pass
Red	C	APC	355	30.09	668	-10	0.0248	130	Pass
Red	A	APC-Cy7	208	33.57	521	-9	0.0053	1157	Pass
Violet	B	DAPI	98	64.31	439	-11	0.0773	4271	Pass
Violet	A	AmCyan	166	49.42	495	-10	0.0356	6356	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	-29.85	1.18
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.53
Red	17.03	12.80 - 19.20	N/A	N/A	27.98	28.24	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9799

Fluidics

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

Comments