

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: 11/16/2020 09:13 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	124919	-1	2.03	124966	2.05
Blue	F	SSC	125000	124674	-1	1.73	125602	1.75
Blue	E	FITC	19687	19092	-4	2.50	491	17.09
Blue	D	PE	35036	34747	-1	1.71	781	12.79
Blue	B	PE-Cy5	53922	52788	-3	3.58	1488	18.78
Blue	A	PE-Cy7	41443	40547	-3	5.27	918	27.47
Red	C	APC	64207	63636	-1	2.72	1805	13.11
Red	A	APC-Cy7	48785	47965	-2	2.68	1456	11.51
Violet	B	DAPI	11947	11539	-4	3.06	779	10.08
Violet	A	AmCyan	48649	48158	-2	2.85	1511	7.85

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17656	10.22	557	-3	N/A	N/A	Pass
Blue	F	SSC	57964	1.60	391	-5	N/A	N/A	Pass
Blue	E	FITC	76	62.27	448	0	0.0245	140	Pass
Blue	D	PE	154	46.97	485	0	0.2332	337	Pass
Blue	B	PE-Cy5	228	50.75	619	-1	0.0095	58	Pass
Blue	A	PE-Cy7	130	76.75	636	-3	0.0185	9	Pass
Red	C	APC	353	30.66	671	-7	0.0233	113	Pass
Red	A	APC-Cy7	206	33.48	523	-7	0.0045	499	Pass
Violet	B	DAPI	96	61.47	444	-6	0.1012	4949	Pass
Violet	A	AmCyan	167	34.45	505	0	0.0349	2071	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	-29.68	-29.39	1.18
Blue	20.24	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.53
Red	16.41	12.80 - 19.20	N/A	N/A	27.50	27.86	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10011

Fluidics

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

Comments