

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: 06/08/2020 09:15 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	125066	0	1.49	125151	1.51
Blue	F	SSC	125000	124791	-1	1.22	125673	1.20
Blue	E	FITC	19687	19266	-3	2.46	499	16.37
Blue	D	PE	35036	34717	-1	1.71	779	11.94
Blue	B	PE-Cy5	53922	53176	-2	3.55	1502	18.06
Blue	A	PE-Cy7	41443	41150	-1	5.16	929	26.87
Red	C	APC	64207	64016	-1	2.38	1823	12.72
Red	A	APC-Cy7	48785	47381	-3	2.49	1448	10.73
Violet	B	DAPI	11947	11669	-3	3.03	799	9.80
Violet	A	AmCyan	48649	47997	-2	2.84	1496	8.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15707	9.18	546	-14	N/A	N/A	Pass
Blue	F	SSC	58213	0.98	388	-8	N/A	N/A	Pass
Blue	E	FITC	76	62.27	445	-3	0.0276	186	Pass
Blue	D	PE	153	45.96	481	-4	0.3096	438	Pass
Blue	B	PE-Cy5	232	49.75	614	-6	0.0104	97	Pass
Blue	A	PE-Cy7	133	74.98	633	-6	0.0194	10	Pass
Red	C	APC	358	29.65	666	-12	0.0245	107	Pass
Red	A	APC-Cy7	206	33.26	517	-13	0.0055	1179	Pass
Violet	B	DAPI	99	59.30	440	-10	0.1097	5217	Pass
Violet	A	AmCyan	166	38.63	497	-8	0.0344	2997	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	-29.91	-29.58	1.17
Blue	20.24	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.53
Red	18.17	12.80 - 19.20	N/A	N/A	27.77	28.11	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9731

Fluidics

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

Comments