

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V96300958
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 9.0
Date: 01/18/2021 09:11 AM
Cytometer Baseline: 01/07/2021 10:46 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82158 **Expiration Date:** 08/31/2020 (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	124956	-1	2.14	125082	2.08
Blue	F	SSC	125000	125052	0	1.63	125577	1.56
Blue	E	FITC	20730	20052	-4	2.29	420	18.67
Blue	D	PE	37062	36598	-2	1.64	774	12.45
Blue	B	PE-Cy5	46445	45026	-4	3.51	1299	18.30
Blue	A	PE-Cy7	33824	33129	-3	5.21	732	28.18
Red	C	APC	57179	57348	0	2.55	1857	12.77
Red	A	APC-Cy7	43213	41942	-3	2.72	1256	11.45
Violet	B	DAPI	11061	10874	-2	2.40	723	10.91
Violet	A	AmCyan	46201	45991	-1	2.18	1124	10.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14770	14.51	539	-26	N/A	N/A	Pass
Blue	F	SSC	58499	1.17	386	-6	N/A	N/A	Pass
Blue	E	FITC	75	71.16	441	-11	0.0295	516	Pass
Blue	D	PE	161	44.34	480	-11	0.2815	370	Pass
Blue	B	PE-Cy5	246	46.39	607	-14	0.0114	144	Pass
Blue	A	PE-Cy7	146	67.25	623	-14	0.0208	17	Pass
Red	C	APC	419	27.34	671	-4	0.0247	106	Pass
Red	A	APC-Cy7	270	28.07	521	-7	0.0057	1334	Pass
Violet	B	DAPI	101	60.65	444	1	0.0903	5071	Pass
Violet	A	AmCyan	163	49.42	505	3	0.0262	4312	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	-30.42	-30.12	1.16
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.51
Red	15.99	12.80 - 19.20	N/A	N/A	28.16	28.47	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9699

Fluidics

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

Comments