

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: 09/26/2022 09:34 AM
Cytometer Baseline: 01/10/2022 09:13 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	125962	0	2.94	126217	2.97
Blue	F	SSC	125000	124535	-1	1.89	125126	1.87
Blue	E	FITC	20683	19994	-4	2.80	422	21.56
Blue	D	PE	34454	33835	-2	1.83	721	14.80
Blue	B	PE-Cy5	48076	46820	-3	4.01	1356	21.62
Blue	A	PE-Cy7	34574	33346	-4	5.92	730	32.57
Red	C	APC	54895	55148	0	2.82	1799	13.73
Red	A	APC-Cy7	41657	41295	-1	2.80	1237	12.73
Violet	B	DAPI	11284	10686	-6	4.29	704	12.64
Violet	A	AmCyan	44139	42801	-4	4.17	1051	11.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17109	17.81	575	10	N/A	N/A	Pass
Blue	F	SSC	57611	1.70	406	8	N/A	N/A	Pass
Blue	E	FITC	77	68.43	468	9	0.0172	163	Pass
Blue	D	PE	146	51.44	499	9	0.1650	277	Pass
Blue	B	PE-Cy5	247	54.81	639	10	0.0079	104	Pass
Blue	A	PE-Cy7	140	80.44	650	6	0.0157	23	Pass
Red	C	APC	403	29.94	685	14	0.0210	128	Pass
Red	A	APC-Cy7	262	31.13	533	8	0.0044	1183	Pass
Violet	B	DAPI	96	68.71	455	6	0.0632	4241	Pass
Violet	A	AmCyan	150	47.49	518	11	0.0216	2892	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	-29.99	-29.57	1.18
Blue	20.24	16.19 - 24.29	1.42	1.14 - 1.70	0.00	0.00	1.50
Red	15.75	12.72 - 19.08	N/A	N/A	27.55	28.04	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11367

Fluidics

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

Comments