

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: 07/19/2021 09:09 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	123432	-2	2.31	123708	2.30
Blue	F	SSC	125000	121356	-3	1.68	121962	1.63
Blue	E	FITC	20730	20001	-4	2.66	417	21.03
Blue	D	PE	37062	36118	-3	1.84	762	14.18
Blue	B	PE-Cy5	46445	44817	-4	4.02	1296	20.83
Blue	A	PE-Cy7	33824	32622	-4	5.88	722	30.84
Red	C	APC	57179	56494	-2	3.16	1833	13.47
Red	A	APC-Cy7	43213	42452	-2	3.05	1268	12.36
Violet	B	DAPI	11061	10674	-4	5.60	743	12.78
Violet	A	AmCyan	46201	44687	-4	5.57	1088	12.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14794	15.07	558	-7	N/A	N/A	Pass
Blue	F	SSC	56107	1.29	395	3	N/A	N/A	Pass
Blue	E	FITC	75	77.10	455	3	0.0220	477	Pass
Blue	D	PE	154	50.87	493	2	0.1982	328	Pass
Blue	B	PE-Cy5	236	54.17	622	1	0.0087	152	Pass
Blue	A	PE-Cy7	138	76.57	637	0	0.0174	23	Pass
Red	C	APC	409	30.13	679	4	0.0230	201	Pass
Red	A	APC-Cy7	269	30.52	529	1	0.0049	1416	Pass
Violet	B	DAPI	100	68.96	450	7	0.0721	5441	Pass
Violet	A	AmCyan	157	56.01	514	12	0.0266	5898	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	-29.83	-29.28	1.17
Blue	20.25	16.19 - 24.29	1.42	1.14 - 1.70	0.00	0.00	1.52
Red	15.55	12.72 - 19.08	N/A	N/A	27.31	27.84	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9548

Fluidics

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

Comments