

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: 05/25/2021 09:25 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	124472	-1	2.19	124723	2.18
Blue	F	SSC	125000	124914	-1	1.59	125515	1.58
Blue	E	FITC	20730	20270	-3	2.54	424	19.13
Blue	D	PE	37062	36486	-2	1.80	773	13.13
Blue	B	PE-Cy5	46445	45589	-2	3.72	1317	19.88
Blue	A	PE-Cy7	33824	32854	-3	5.55	726	30.15
Red	C	APC	57179	57308	0	2.79	1864	13.37
Red	A	APC-Cy7	43213	42857	-1	2.76	1280	12.11
Violet	B	DAPI	11061	10452	-6	5.28	730	11.63
Violet	A	AmCyan	46201	44850	-3	5.27	1092	11.50

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13451	16.20	553	-12	N/A	N/A	Pass
Blue	F	SSC	57834	1.17	393	1	N/A	N/A	Pass
Blue	E	FITC	76	68.20	452	0	0.0251	312	Pass
Blue	D	PE	156	47.50	490	-1	0.2401	344	Pass
Blue	B	PE-Cy5	248	50.03	619	-2	0.0095	125	Pass
Blue	A	PE-Cy7	141	73.33	633	-4	0.0181	19	Pass
Red	C	APC	418	29.09	679	4	0.0224	131	Pass
Red	A	APC-Cy7	274	29.37	527	-1	0.0049	1149	Pass
Violet	B	DAPI	100	61.78	445	2	0.1026	6328	Pass
Violet	A	AmCyan	157	48.30	510	8	0.0271	4025	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	-29.64	-29.33	1.19
Blue	20.25	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.52
Red	16.01	12.72 - 19.08	N/A	N/A	27.48	27.87	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9675

Fluidics

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

Comments