

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: 09/13/2021 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	124791	-1	2.45	124854	2.44
Blue	F	SSC	125000	122606	-2	1.82	123115	1.80
Blue	E	FITC	20730	20156	-3	2.49	424	20.05
Blue	D	PE	37062	36420	-2	1.70	774	13.03
Blue	B	PE-Cy5	46445	44988	-4	3.84	1303	20.47
Blue	A	PE-Cy7	33824	32971	-3	5.80	724	30.64
Red	C	APC	57179	56981	-1	3.41	1847	13.55
Red	A	APC-Cy7	43213	42970	-1	3.22	1283	12.49
Violet	B	DAPI	11061	10434	-6	5.95	669	14.02
Violet	A	AmCyan	46201	44402	-4	5.84	1089	15.00

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16779	13.90	555	-10	N/A	N/A	Pass
Blue	F	SSC	56870	1.57	395	3	N/A	N/A	Pass
Blue	E	FITC	77	75.58	452	0	0.0252	562	Pass
Blue	D	PE	158	48.01	489	-2	0.2652	419	Pass
Blue	B	PE-Cy5	238	53.49	619	-2	0.0090	164	Pass
Blue	A	PE-Cy7	139	75.74	634	-3	0.0177	22	Pass
Red	C	APC	412	29.37	680	5	0.0224	134	Pass
Red	A	APC-Cy7	272	30.80	532	4	0.0048	1447	Pass
Violet	B	DAPI	92	78.82	451	8	0.0866	7945	Pass
Violet	A	AmCyan	157	77.45	515	13	0.0221	10534	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	-29.78	-29.26	1.17
Blue	20.25	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.51
Red	15.33	12.72 - 19.08	N/A	N/A	27.28	27.83	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9615

Fluidics

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

Comments