

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: 11/15/2021 09:15 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	125318	0	2.19	125505	2.17
Blue	F	SSC	125000	124994	-1	2.41	125634	2.39
Blue	E	FITC	20730	20296	-3	2.71	427	20.50
Blue	D	PE	37062	37124	0	1.96	788	13.97
Blue	B	PE-Cy5	46445	45253	-3	3.83	1324	20.89
Blue	A	PE-Cy7	33824	33191	-2	5.48	750	31.15
Red	C	APC	57179	56561	-2	3.20	1839	13.46
Red	A	APC-Cy7	43213	42449	-2	3.08	1323	12.23
Violet	B	DAPI	11061	10704	-4	3.42	696	12.06
Violet	A	AmCyan	46201	45035	-3	3.18	1104	11.72

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16862	13.97	562	-3	N/A	N/A	Pass
Blue	F	SSC	57816	2.28	398	6	N/A	N/A	Pass
Blue	E	FITC	78	71.28	457	5	0.0216	355	Pass
Blue	D	PE	160	48.95	495	4	0.1941	295	Pass
Blue	B	PE-Cy5	244	51.57	625	4	0.0083	71	Pass
Blue	A	PE-Cy7	145	77.22	641	4	0.0166	27	Pass
Red	C	APC	412	28.80	678	3	0.0223	105	Pass
Red	A	APC-Cy7	281	29.79	530	2	0.0047	1317	Pass
Violet	B	DAPI	96	66.90	446	3	0.0740	4771	Pass
Violet	A	AmCyan	161	56.27	509	7	0.0252	5913	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	-30.06	-29.48	1.18
Blue	20.25	16.19 - 24.29	1.42	1.14 - 1.70	0.00	0.00	1.52
Red	18.12	12.72 - 19.08	N/A	N/A	27.49	28.07	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9719

Fluidics

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

Comments