

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V96300958	Software:	BD FACSDiva 9.0
Input Device:	Carousel	Date:	01/08/2024 09:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/07/2023 11:15 AM
Cytometer Configuration:	Canto II Config 3-laser, 8-color (4-2-2)	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	125744	0	1.16	125864	1.15
Blue	F	SSC	125000	124533	-1	2.07	125208	2.09
Blue	E	FITC	20274	19883	-2	2.52	422	18.92
Blue	D	PE	33957	32996	-3	1.91	702	12.61
Blue	B	PE-Cy5	48011	47615	-1	3.51	1365	18.67
Blue	A	PE-Cy7	35963	35420	-2	4.99	776	28.65
Red	C	APC	55970	56449	0	2.48	1838	12.64
Red	A	APC-Cy7	43527	43033	-2	2.68	1262	11.87
Violet	B	DAPI	12286	12045	-2	2.48	770	11.70
Violet	A	AmCyan	41615	41008	-2	2.26	1010	11.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19050	2.70	543	2	N/A	N/A	Pass
Blue	F	SSC	57109	1.75	388	2	N/A	N/A	Pass
Blue	E	FITC	78	63.15	446	1	0.0241	232	Pass
Blue	D	PE	144	43.43	476	0	0.2405	263	Pass
Blue	B	PE-Cy5	256	46.33	613	1	0.0108	95	Pass
Blue	A	PE-Cy7	148	69.77	629	1	0.0200	14	Pass
Red	C	APC	404	27.34	670	-2	0.0250	98	Pass
Red	A	APC-Cy7	264	28.38	524	-4	0.0051	696	Pass
Violet	B	DAPI	107	60.95	447	-3	0.0571	2699	Pass
Violet	A	AmCyan	145	51.04	502	-3	0.0238	4148	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	59.80	47.84 - 71.76	N/A	N/A	-30.06	-29.40	1.19
Blue	20.24	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.46
Red	16.68	14.40 - 21.60	N/A	N/A	28.99	29.51	1.26

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 14616

Fluidics

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

Comments