

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:	09/04/2023 09:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/16/2023 10:20 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	125347	0	1.20	125364	1.16
Blue	F	SSC	125000	124730	-1	1.99	125274	2.00
Blue	E	FITC	20434	20010	-3	2.42	422	18.60
Blue	D	PE	34399	34023	-2	1.66	721	13.05
Blue	B	PE-Cy5	48387	47759	-2	3.54	1372	19.29
Blue	A	PE-Cy7	34835	34264	-2	4.88	747	29.11
Red	C	APC	54234	54574	0	2.48	1773	12.82
Red	A	APC-Cy7	42473	41705	-2	2.57	1214	12.10
Violet	B	DAPI	10884	10383	-5	3.28	678	11.03
Violet	A	AmCyan	41787	40409	-4	3.08	988	11.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20416	4.84	546	-19	N/A	N/A	Pass
Blue	F	SSC	57938	1.65	394	-4	N/A	N/A	Pass
Blue	E	FITC	77	63.96	449	-10	0.0257	240	Pass
Blue	D	PE	148	46.90	480	-10	0.2454	353	Pass
Blue	B	PE-Cy5	252	47.05	617	-13	0.0098	47	Pass
Blue	A	PE-Cy7	145	69.50	627	-16	0.0193	9	Pass
Red	C	APC	393	28.86	671	4	0.0251	199	Pass
Red	A	APC-Cy7	256	29.80	524	0	0.0051	1150	Pass
Violet	B	DAPI	95	61.05	442	-1	0.1032	5545	Pass
Violet	A	AmCyan	142	51.37	505	3	0.0256	4523	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	-29.92	-29.63	1.12
Blue	20.25	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.51
Red	17.89	14.40 - 21.60	N/A	N/A	27.53	27.91	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 13951

Fluidics

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

Comments