

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:	09/11/2023 09:08 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	124383	-1	1.14	124501	1.12
Blue	F	SSC	125000	124508	-1	2.10	125112	2.06
Blue	E	FITC	20434	19989	-3	2.46	422	19.06
Blue	D	PE	34399	34340	-1	1.69	729	13.20
Blue	B	PE-Cy5	48387	47904	-1	3.55	1376	19.35
Blue	A	PE-Cy7	34835	34315	-2	5.02	745	30.01
Red	C	APC	54234	54402	0	2.42	1760	12.78
Red	A	APC-Cy7	42473	42042	-2	2.64	1231	12.08
Violet	B	DAPI	10884	10557	-4	3.14	703	10.72
Violet	A	AmCyan	41787	40787	-3	3.02	998	10.34

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19983	4.56	552	-13	N/A	N/A	Pass
Blue	F	SSC	57623	1.57	396	-2	N/A	N/A	Pass
Blue	E	FITC	75	68.20	453	-6	0.0250	309	Pass
Blue	D	PE	149	47.92	485	-5	0.2452	377	Pass
Blue	B	PE-Cy5	255	49.13	622	-8	0.0100	121	Pass
Blue	A	PE-Cy7	143	71.79	632	-11	0.0182	8	Pass
Red	C	APC	393	28.86	670	3	0.0254	213	Pass
Red	A	APC-Cy7	257	29.65	523	-1	0.0050	1049	Pass
Violet	B	DAPI	98	58.30	443	0	0.0962	4781	Pass
Violet	A	AmCyan	144	43.01	506	4	0.0255	2757	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	-29.98	-29.73	1.11
Blue	20.24	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.51
Red	18.28	14.40 - 21.60	N/A	N/A	27.62	28.00	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 13158

Fluidics

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

Comments