

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:	08/28/2023 09:23 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	123082	-2	1.22	123340	1.24
Blue	F	SSC	125000	123058	-2	2.31	123958	2.55
Blue	E	FITC	20434	19786	-4	2.54	419	20.34
Blue	D	PE	34399	33682	-3	1.69	715	13.48
Blue	B	PE-Cy5	48387	47126	-3	3.61	1366	20.03
Blue	A	PE-Cy7	34835	33767	-4	5.12	753	30.07
Red	C	APC	54234	54327	0	2.56	1762	13.33
Red	A	APC-Cy7	42473	41679	-2	2.61	1254	12.17
Violet	B	DAPI	10884	10504	-4	3.69	744	10.78
Violet	A	AmCyan	41787	40547	-3	3.50	1009	11.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19203	4.84	554	-11	N/A	N/A	Pass
Blue	F	SSC	56870	2.09	397	-1	N/A	N/A	Pass
Blue	E	FITC	77	69.77	454	-5	0.0213	299	Pass
Blue	D	PE	148	48.41	486	-4	0.2321	371	Pass
Blue	B	PE-Cy5	254	51.18	624	-6	0.0093	138	Pass
Blue	A	PE-Cy7	151	71.16	634	-9	0.0178	14	Pass
Red	C	APC	393	28.86	675	8	0.0223	108	Pass
Red	A	APC-Cy7	266	30.09	526	2	0.0049	1357	Pass
Violet	B	DAPI	108	55.60	441	-2	0.0938	5268	Pass
Violet	A	AmCyan	157	46.60	505	3	0.0235	3991	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	-29.93	-29.68	1.13
Blue	20.24	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.51
Red	17.95	14.40 - 21.60	N/A	N/A	27.66	27.99	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10285

Fluidics

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

Comments