

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:	09/25/2023 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	123390	-2	1.23	123619	1.25
Blue	F	SSC	125000	123898	-1	2.35	124436	2.33
Blue	E	FITC	20434	19930	-3	2.65	419	19.59
Blue	D	PE	34399	33941	-2	1.82	716	13.62
Blue	B	PE-Cy5	48387	47436	-2	3.69	1367	20.28
Blue	A	PE-Cy7	34835	34239	-2	5.07	749	29.59
Red	C	APC	54234	54378	0	2.55	1768	13.10
Red	A	APC-Cy7	42473	42163	-1	2.60	1247	12.17
Violet	B	DAPI	10884	10432	-5	3.94	721	11.07
Violet	A	AmCyan	41787	40744	-3	3.83	999	11.43

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19772	4.94	554	-11	N/A	N/A	Pass
Blue	F	SSC	57221	1.83	396	-2	N/A	N/A	Pass
Blue	E	FITC	76	72.68	455	-4	0.0260	491	Pass
Blue	D	PE	148	47.92	487	-3	0.2150	319	Pass
Blue	B	PE-Cy5	251	52.95	624	-6	0.0092	165	Pass
Blue	A	PE-Cy7	145	74.89	635	-8	0.0193	33	Pass
Red	C	APC	392	29.75	674	7	0.0240	217	Pass
Red	A	APC-Cy7	261	29.06	525	1	0.0048	713	Pass
Violet	B	DAPI	99	60.95	445	2	0.0974	5651	Pass
Violet	A	AmCyan	146	51.28	510	8	0.0251	4604	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	-30.13	-29.92	1.10
Blue	20.24	16.19 - 24.29	1.44	1.14 - 1.70	0.00	0.00	1.50
Red	17.16	14.40 - 21.60	N/A	N/A	28.00	28.26	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9918

Fluidics

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

Comments