

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:	04/12/2023 09:07 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	124915	-1	1.58	124985	1.59
Blue	F	SSC	125000	126867	1	1.85	127512	1.85
Blue	E	FITC	20434	19810	-4	2.44	419	18.93
Blue	D	PE	34399	34280	-1	1.61	731	12.96
Blue	B	PE-Cy5	48387	46938	-3	3.54	1362	19.08
Blue	A	PE-Cy7	34835	33949	-3	5.36	734	30.01
Red	C	APC	54234	54361	0	2.42	1771	12.60
Red	A	APC-Cy7	42473	41692	-2	3.03	1221	11.87
Violet	B	DAPI	10884	10609	-3	2.19	678	11.39
Violet	A	AmCyan	41787	40966	-2	1.73	1009	10.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17532	8.85	552	-13	N/A	N/A	Pass
Blue	F	SSC	58786	1.80	392	-6	N/A	N/A	Pass
Blue	E	FITC	75	66.86	452	-7	0.0253	293	Pass
Blue	D	PE	148	47.44	484	-6	0.2547	380	Pass
Blue	B	PE-Cy5	249	48.54	620	-10	0.0102	112	Pass
Blue	A	PE-Cy7	141	71.79	633	-10	0.0184	8	Pass
Red	C	APC	397	27.59	669	2	0.0256	151	Pass
Red	A	APC-Cy7	259	28.65	524	0	0.0053	1043	Pass
Violet	B	DAPI	94	64.31	445	2	0.0801	4467	Pass
Violet	A	AmCyan	147	46.76	505	3	0.0247	3530	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	59.78	47.84 - 71.76	N/A	N/A	-30.45	-30.16	1.13
Blue	20.24	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.49
Red	16.17	14.40 - 21.60	N/A	N/A	28.04	28.28	1.25

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9961

Fluidics

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

Comments