

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:	04/03/2023 09:10 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	123757	-1	1.87	123899	1.93
Blue	F	SSC	125000	124595	-1	1.85	125222	1.83
Blue	E	FITC	20434	19845	-3	2.50	421	19.84
Blue	D	PE	34399	34101	-1	1.56	728	13.59
Blue	B	PE-Cy5	48387	47417	-3	3.75	1367	20.12
Blue	A	PE-Cy7	34835	34027	-3	5.62	740	31.20
Red	C	APC	54234	54075	-1	2.40	1758	12.76
Red	A	APC-Cy7	42473	41676	-2	3.12	1227	11.94
Violet	B	DAPI	10884	10440	-5	2.17	666	11.48
Violet	A	AmCyan	41787	40553	-3	1.82	1000	11.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17578	9.94	558	-7	N/A	N/A	Pass
Blue	F	SSC	57249	1.81	393	-5	N/A	N/A	Pass
Blue	E	FITC	78	67.14	456	-3	0.0223	283	Pass
Blue	D	PE	146	47.92	488	-2	0.2008	281	Pass
Blue	B	PE-Cy5	252	50.58	627	-3	0.0092	101	Pass
Blue	A	PE-Cy7	144	73.75	640	-3	0.0168	8	Pass
Red	C	APC	393	27.77	669	2	0.0247	129	Pass
Red	A	APC-Cy7	261	29.08	525	1	0.0053	1237	Pass
Violet	B	DAPI	91	66.90	444	1	0.0902	5497	Pass
Violet	A	AmCyan	144	54.02	504	2	0.0251	5210	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	-30.77	-30.28	1.12
Blue	20.24	16.19 - 24.29	1.42	1.14 - 1.70	0.00	0.00	1.48
Red	15.58	14.40 - 21.60	N/A	N/A	28.04	28.47	1.25

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9595

Fluidics

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

Comments