

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:	10/23/2023 09:20 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	125847	0	1.39	125917	1.39
Blue	F	SSC	125000	124516	-1	3.03	125172	3.02
Blue	E	FITC	20434	20000	-3	2.74	424	20.72
Blue	D	PE	34399	34609	0	1.93	735	13.48
Blue	B	PE-Cy5	48387	47750	-2	3.82	1383	20.04
Blue	A	PE-Cy7	34835	34835	0	5.09	757	30.07
Red	C	APC	54234	53633	-2	3.25	1739	13.25
Red	A	APC-Cy7	42473	41706	-2	3.01	1239	11.93
Violet	B	DAPI	10884	10431	-5	3.63	657	11.94
Violet	A	AmCyan	41787	40593	-3	3.36	992	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	21203	5.50	558	-7	N/A	N/A	Pass
Blue	F	SSC	57566	2.98	394	-4	N/A	N/A	Pass
Blue	E	FITC	79	71.28	453	-6	0.0209	353	Pass
Blue	D	PE	150	49.42	485	-5	0.2414	406	Pass
Blue	B	PE-Cy5	253	49.72	623	-7	0.0091	75	Pass
Blue	A	PE-Cy7	147	73.37	634	-9	0.0184	19	Pass
Red	C	APC	385	28.36	668	1	0.0232	98	Pass
Red	A	APC-Cy7	261	28.62	523	-1	0.0051	928	Pass
Violet	B	DAPI	91	66.53	442	-1	0.0870	5188	Pass
Violet	A	AmCyan	142	52.69	505	3	0.0240	4436	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	-30.24	-29.79	1.18
Blue	20.24	16.19 - 24.29	1.42	1.14 - 1.70	0.00	0.00	1.52
Red	17.13	14.40 - 21.60	N/A	N/A	27.51	27.96	1.30

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9566

Fluidics

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

Comments