

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:	06/05/2023 09:17 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	124553	-1	1.73	124677	1.74
Blue	F	SSC	125000	126245	0	2.09	126763	2.11
Blue	E	FITC	20434	20069	-2	2.48	423	18.79
Blue	D	PE	34399	34123	-1	1.68	723	12.81
Blue	B	PE-Cy5	48387	46956	-3	3.47	1358	19.02
Blue	A	PE-Cy7	34835	33991	-3	5.09	746	28.41
Red	C	APC	54234	53687	-2	3.15	1740	12.39
Red	A	APC-Cy7	42473	41462	-3	3	1230	11.28
Violet	B	DAPI	10884	10466	-4	3.1	717	11.83
Violet	A	AmCyan	41787	40128	-4	2.86	985	11.61

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14316	12.16	556	-9	N/A	N/A	Pass
Blue	F	SSC	58775	1.62	393	-5	N/A	N/A	Pass
Blue	E	FITC	77	65.58	450	-9	0.0257	290	Pass
Blue	D	PE	147	46.42	481	-9	0.2576	356	Pass
Blue	B	PE-Cy5	253	47.97	616	-14	0.0103	114	Pass
Blue	A	PE-Cy7	145	69.59	626	-17	0.0207	21	Pass
Red	C	APC	392	26.78	659	-8	0.0277	157	Pass
Red	A	APC-Cy7	260	26.63	515	-9	0.0058	734	Pass
Violet	B	DAPI	100	63.79	444	1	0.0640	4146	Pass
Violet	A	AmCyan	143	53.04	505	3	0.0220	4271	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	-30.06	-29.84	1.17
Blue	20.24	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.49
Red	18.25	14.40 - 21.60	N/A	N/A	27.69	27.90	1.27

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9533

Fluidics

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

Comments