

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:	12/04/2023 09:50 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	125009	0	0.98	125204	0.95
Blue	F	SSC	125000	124527	-1	1.94	125169	1.92
Blue	E	FITC	20434	19830	-3	2.38	418	19.20
Blue	D	PE	34399	33318	-4	1.64	706	12.64
Blue	B	PE-Cy5	48387	47476	-2	3.37	1372	18.39
Blue	A	PE-Cy7	34835	34071	-3	5.22	762	27.84
Red	C	APC	54234	54433	0	2.51	1767	12.74
Red	A	APC-Cy7	42473	42015	-2	2.75	1272	11.51
Violet	B	DAPI	10884	10491	-4	2.16	719	10.92
Violet	A	AmCyan	41787	41229	-2	1.83	1012	11.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19762	2.35	546	-19	N/A	N/A	Pass
Blue	F	SSC	57924	1.49	388	-10	N/A	N/A	Pass
Blue	E	FITC	76	69.77	444	-15	0.0262	424	Pass
Blue	D	PE	144	46.33	475	-15	0.2787	390	Pass
Blue	B	PE-Cy5	257	45.95	610	-20	0.0110	104	Pass
Blue	A	PE-Cy7	149	67.39	623	-20	0.0211	17	Pass
Red	C	APC	395	28.51	669	2	0.0254	196	Pass
Red	A	APC-Cy7	269	28.54	523	-1	0.0056	1445	Pass
Violet	B	DAPI	98	61.77	439	-4	0.0818	4791	Pass
Violet	A	AmCyan	148	55.30	504	2	0.0268	6137	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	-30.70	-30.34	1.18
Blue	20.25	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.51
Red	15.33	14.40 - 21.60	N/A	N/A	28.03	28.46	1.27

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9556

Fluidics

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

Comments