

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:	02/27/2023 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	125195	0	2.52	125336	2.49
Blue	F	SSC	125000	126916	1	1.53	127525	1.53
Blue	E	FITC	20434	19968	-3	2.52	421	20.36
Blue	D	PE	34399	33979	-2	1.58	724	13.98
Blue	B	PE-Cy5	48387	47246	-3	3.79	1373	19.85
Blue	A	PE-Cy7	34835	33688	-4	5.81	740	30.90
Red	C	APC	54234	53995	-1	2.49	1765	12.60
Red	A	APC-Cy7	42473	42028	-2	3.28	1268	11.83
Violet	B	DAPI	10884	10447	-5	2.37	666	11.46
Violet	A	AmCyan	41787	40647	-3	2.01	997	11.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17495	14.66	559	-6	N/A	N/A	Pass
Blue	F	SSC	58383	1.45	393	-5	N/A	N/A	Pass
Blue	E	FITC	77	74.13	456	-3	0.0232	466	Pass
Blue	D	PE	146	49.42	487	-3	0.1926	296	Pass
Blue	B	PE-Cy5	253	51.15	626	-4	0.0095	149	Pass
Blue	A	PE-Cy7	142	74.13	639	-4	0.0171	11	Pass
Red	C	APC	395	27.21	667	0	0.0253	117	Pass
Red	A	APC-Cy7	271	28.01	524	0	0.0052	970	Pass
Violet	B	DAPI	91	68.71	444	1	0.1118	7362	Pass
Violet	A	AmCyan	145	54.74	504	2	0.0248	5391	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	-31.09	-30.63	1.12
Blue	20.24	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.48
Red	16.64	14.40 - 21.60	N/A	N/A	28.22	28.77	1.25

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9673

Fluidics

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

Comments