

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:	01/29/2024 09:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/07/2023 11:15 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	125131	0	1.27	125367	1.29
Blue	F	SSC	125000	124047	-1	2.72	124637	2.69
Blue	E	FITC	20274	19762	-3	2.68	417	19.38
Blue	D	PE	33957	33218	-3	2.10	703	12.74
Blue	B	PE-Cy5	48011	46754	-3	3.44	1346	18.35
Blue	A	PE-Cy7	35963	35792	-1	4.84	797	27.13
Red	C	APC	55970	55538	-1	2.49	1802	13.12
Red	A	APC-Cy7	43527	43253	-1	2.66	1291	11.48
Violet	B	DAPI	12286	11872	-4	2.24	828	10.77
Violet	A	AmCyan	41615	40622	-3	1.96	995	12.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18092	2.62	536	-5	N/A	N/A	Pass
Blue	F	SSC	57569	2.21	387	1	N/A	N/A	Pass
Blue	E	FITC	75	69.77	442	-3	0.0248	366	Pass
Blue	D	PE	144	45.39	473	-3	0.2610	337	Pass
Blue	B	PE-Cy5	255	46.28	608	-4	0.0113	133	Pass
Blue	A	PE-Cy7	159	65.89	625	-3	0.0224	23	Pass
Red	C	APC	401	28.53	673	1	0.0231	114	Pass
Red	A	APC-Cy7	273	28.14	525	-3	0.0056	1186	Pass
Violet	B	DAPI	115	61.78	447	-3	0.0986	6354	Pass
Violet	A	AmCyan	146	59.55	505	0	0.0234	6359	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	59.78	47.84 - 71.76	N/A	N/A	-29.27	-28.95	1.20
Blue	20.24	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.47
Red	17.52	14.40 - 21.60	N/A	N/A	28.74	29.11	1.27

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 11210

Fluidics

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

Comments