

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:	10/24/2022 09:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/10/2022 09:13 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	124632	-1	2.97	124773	2.86
Blue	F	SSC	125000	124457	-1	1.72	125102	1.70
Blue	E	FITC	20683	20037	-4	2.79	422	22.16
Blue	D	PE	34454	33788	-2	1.79	718	14.89
Blue	B	PE-Cy5	48076	47033	-3	4.07	1365	21.55
Blue	A	PE-Cy7	34574	33705	-3	5.84	729	33.32
Red	C	APC	54895	55139	0	3.14	1789	13.86
Red	A	APC-Cy7	41657	41199	-2	2.91	1220	12.63
Violet	B	DAPI	11284	10580	-7	4.58	679	13.38
Violet	A	AmCyan	44139	43308	-2	4.35	1062	12.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16457	18.82	574	9	N/A	N/A	Pass
Blue	F	SSC	57484	1.43	407	9	N/A	N/A	Pass
Blue	E	FITC	76	75.58	468	9	0.0175	300	Pass
Blue	D	PE	144	54.05	499	9	0.1755	335	Pass
Blue	B	PE-Cy5	245	56.39	641	12	0.0080	145	Pass
Blue	A	PE-Cy7	136	83.09	651	7	0.0150	20	Pass
Red	C	APC	396	30.54	686	15	0.0211	144	Pass
Red	A	APC-Cy7	258	31.01	534	9	0.0046	1209	Pass
Violet	B	DAPI	94	75.98	461	12	0.0759	6389	Pass
Violet	A	AmCyan	152	59.76	525	18	0.0230	5846	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	-29.73	-29.41	1.18
Blue	20.22	16.19 - 24.29	1.42	1.14 - 1.70	0.00	0.00	1.50
Red	14.77	12.72 - 19.08	N/A	N/A	27.50	27.87	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9726

Fluidics

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

Comments