

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:	08/07/2023 09:12 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	125490	0	1.37	125501	1.40
Blue	F	SSC	125000	124285	-1	2.54	124749	2.62
Blue	E	FITC	20434	20080	-2	2.82	421	20.65
Blue	D	PE	34399	34409	0	2.04	731	13.42
Blue	B	PE-Cy5	48387	47409	-3	3.71	1362	20.13
Blue	A	PE-Cy7	34835	34302	-2	5.07	755	29.83
Red	C	APC	54234	54631	0	2.48	1769	12.87
Red	A	APC-Cy7	42473	42321	-1	2.64	1259	11.65
Violet	B	DAPI	10884	10482	-4	3.36	685	11.25
Violet	A	AmCyan	41787	40782	-3	3.15	992	11.50

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19990	4.25	554	-11	N/A	N/A	Pass
Blue	F	SSC	57704	2.26	396	-2	N/A	N/A	Pass
Blue	E	FITC	76	75.58	454	-5	0.0228	478	Pass
Blue	D	PE	148	47.92	486	-4	0.2247	332	Pass
Blue	B	PE-Cy5	252	52.07	624	-6	0.0094	157	Pass
Blue	A	PE-Cy7	144	75.67	635	-8	0.0188	31	Pass
Red	C	APC	393	27.98	671	4	0.0242	116	Pass
Red	A	APC-Cy7	265	29.80	525	1	0.0056	1820	Pass
Violet	B	DAPI	96	62.79	441	-2	0.1010	5849	Pass
Violet	A	AmCyan	146	52.87	503	1	0.0242	4770	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	-30.03	-29.77	1.13
Blue	20.25	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.50
Red	18.76	14.40 - 21.60	N/A	N/A	27.76	28.04	1.30

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10018

Fluidics

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

Comments