

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:	03/04/2024 09:25 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	124164	-1	1.04	124232	1.02
Blue	F	SSC	125000	123555	-2	1.96	124123	1.96
Blue	E	FITC	20274	19942	-2	2.39	420	18.40
Blue	D	PE	33957	33144	-3	1.78	703	12.53
Blue	B	PE-Cy5	48011	46570	-4	3.25	1332	17.75
Blue	A	PE-Cy7	35963	35499	-2	4.83	791	27.43
Red	C	APC	55970	56233	0	2.62	1824	12.60
Red	A	APC-Cy7	43527	43517	-1	2.80	1291	11.87
Violet	B	DAPI	12286	12000	-3	2.51	814	12.26
Violet	A	AmCyan	41615	40699	-3	2.14	1002	11.92

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18044	2.82	532	-9	N/A	N/A	Pass
Blue	F	SSC	57555	1.44	384	-2	N/A	N/A	Pass
Blue	E	FITC	76	69.93	441	-4	0.0310	571	Pass
Blue	D	PE	145	44.48	471	-5	0.2658	329	Pass
Blue	B	PE-Cy5	253	46.60	605	-7	0.0125	217	Pass
Blue	A	PE-Cy7	159	64.70	623	-5	0.0216	13	Pass
Red	C	APC	407	28.00	672	0	0.0262	183	Pass
Red	A	APC-Cy7	272	28.83	525	-3	0.0052	1040	Pass
Violet	B	DAPI	113	64.67	446	-4	0.0486	3032	Pass
Violet	A	AmCyan	149	60.98	502	-3	0.0274	8321	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	-29.71	-29.44	1.20
Blue	20.24	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.45
Red	16.20	14.40 - 21.60	N/A	N/A	29.17	29.50	1.26

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9622

Fluidics

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

Comments