

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:	12/05/2022 10:02 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	123881	-1	3.05	124036	3.10
Blue	F	SSC	125000	124981	-1	1.75	125616	1.68
Blue	E	FITC	20683	20137	-3	2.81	425	22.45
Blue	D	PE	34454	33585	-3	1.82	711	15.29
Blue	B	PE-Cy5	48076	46916	-3	4.21	1362	23.14
Blue	A	PE-Cy7	34574	34337	-1	6.08	745	35.13
Red	C	APC	54895	55338	0	2.71	1798	13.95
Red	A	APC-Cy7	41657	41638	-1	2.87	1257	12.52
Violet	B	DAPI	11284	10840	-4	3.05	697	13.21
Violet	A	AmCyan	44139	42788	-4	2.71	1049	14.23

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16805	19.43	587	22	N/A	N/A	Pass
Blue	F	SSC	57737	1.58	410	12	N/A	N/A	Pass
Blue	E	FITC	76	78.49	474	15	0.0174	350	Pass
Blue	D	PE	145	55.02	506	16	0.1685	346	Pass
Blue	B	PE-Cy5	242	60.40	650	21	0.0069	132	Pass
Blue	A	PE-Cy7	137	88.63	663	19	0.0135	22	Pass
Red	C	APC	398	30.24	684	13	0.0201	95	Pass
Red	A	APC-Cy7	267	30.52	534	9	0.0046	1212	Pass
Violet	B	DAPI	97	75.02	457	8	0.0607	4991	Pass
Violet	A	AmCyan	149	77.60	519	12	0.0201	9417	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	-30.28	-29.76	1.17
Blue	20.23	16.19 - 24.29	1.42	1.14 - 1.70	0.00	0.00	1.50
Red	16.19	12.72 - 19.08	N/A	N/A	27.78	28.34	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9515

Fluidics

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

Comments