

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:	11/07/2022 09:24 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	124921	-1	3.34	125071	3.33
Blue	F	SSC	125000	124256	-1	1.89	124845	1.90
Blue	E	FITC	20683	20183	-3	2.70	427	21.11
Blue	D	PE	34454	33882	-2	1.75	719	14.06
Blue	B	PE-Cy5	48076	47507	-2	3.98	1373	21.61
Blue	A	PE-Cy7	34574	35194	1	5.77	778	32.19
Red	C	APC	54895	55291	0	2.76	1798	13.62
Red	A	APC-Cy7	41657	41778	0	2.85	1272	12.37
Violet	B	DAPI	11284	10529	-7	5.28	688	13.64
Violet	A	AmCyan	44139	42585	-4	5.11	1043	13.83

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16789	21.54	575	10	N/A	N/A	Pass
Blue	F	SSC	57972	1.35	405	7	N/A	N/A	Pass
Blue	E	FITC	77	74.13	467	8	0.0200	349	Pass
Blue	D	PE	148	50.41	498	8	0.2067	359	Pass
Blue	B	PE-Cy5	252	54.07	640	11	0.0078	89	Pass
Blue	A	PE-Cy7	149	79.27	655	11	0.0158	22	Pass
Red	C	APC	402	29.46	679	8	0.0213	109	Pass
Red	A	APC-Cy7	271	30.08	530	5	0.0046	1221	Pass
Violet	B	DAPI	94	75.05	459	10	0.0665	5515	Pass
Violet	A	AmCyan	151	66.66	522	15	0.0201	6736	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	-30.45	-30.12	1.17
Blue	20.24	16.19 - 24.29	1.42	1.14 - 1.70	0.00	0.00	1.48
Red	14.52	12.72 - 19.08	N/A	N/A	28.20	28.50	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9623

Fluidics

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

Comments