

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:	10/17/2022 09:09 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	125432	0	3.23	125549	3.18
Blue	F	SSC	125000	123896	-1	1.51	124512	1.49
Blue	E	FITC	20683	20111	-3	2.94	424	22.45
Blue	D	PE	34454	33760	-3	1.94	716	15.17
Blue	B	PE-Cy5	48076	46576	-4	4.33	1349	22.68
Blue	A	PE-Cy7	34574	34234	-1	6.08	731	33.96
Red	C	APC	54895	55333	0	2.91	1793	14.13
Red	A	APC-Cy7	41657	41214	-2	2.90	1209	12.57
Violet	B	DAPI	11284	10666	-6	4.61	678	14.08
Violet	A	AmCyan	44139	43410	-2	4.41	1065	14.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16955	19.60	579	14	N/A	N/A	Pass
Blue	F	SSC	56825	1.30	408	10	N/A	N/A	Pass
Blue	E	FITC	79	81.12	471	12	0.0193	557	Pass
Blue	D	PE	146	54.46	502	12	0.1721	349	Pass
Blue	B	PE-Cy5	240	58.94	643	14	0.0072	127	Pass
Blue	A	PE-Cy7	136	87.98	655	11	0.0150	34	Pass
Red	C	APC	398	29.85	683	12	0.0193	47	Pass
Red	A	APC-Cy7	256	31.17	532	7	0.0047	1362	Pass
Violet	B	DAPI	93	81.54	462	13	0.0700	6733	Pass
Violet	A	AmCyan	153	69.04	525	18	0.0182	6520	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	-29.97	-29.58	1.17
Blue	20.22	16.19 - 24.29	1.40	1.14 - 1.70	0.00	0.00	1.50
Red	16.47	12.72 - 19.08	N/A	N/A	27.70	28.05	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9684

Fluidics

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

Comments