

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:	01/30/2023 09:24 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	125206	0	2.08	125313	2.13
Blue	F	SSC	125000	123992	-1	1.80	124620	1.81
Blue	E	FITC	20434	19784	-4	2.40	418	18.79
Blue	D	PE	34399	34158	-1	1.61	726	12.63
Blue	B	PE-Cy5	48387	47460	-2	3.57	1375	18.89
Blue	A	PE-Cy7	34835	34262	-2	5.28	764	28.85
Red	C	APC	54234	54461	0	2.44	1775	12.64
Red	A	APC-Cy7	42473	41775	-2	3.23	1269	11.30
Violet	B	DAPI	10884	10618	-3	2.72	686	11.19
Violet	A	AmCyan	41787	40490	-4	2.58	996	10.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17335	13.54	549	-16	N/A	N/A	Pass
Blue	F	SSC	57829	1.77	388	-10	N/A	N/A	Pass
Blue	E	FITC	76	62.73	449	-10	0.0241	173	Pass
Blue	D	PE	148	44.04	480	-10	0.2424	283	Pass
Blue	B	PE-Cy5	254	47.13	617	-13	0.0104	91	Pass
Blue	A	PE-Cy7	148	68.99	633	-10	0.0194	12	Pass
Red	C	APC	398	26.33	666	-1	0.0245	42	Pass
Red	A	APC-Cy7	272	27.63	522	-2	0.0060	1534	Pass
Violet	B	DAPI	94	62.79	447	4	0.0861	4611	Pass
Violet	A	AmCyan	143	51.72	506	4	0.0263	4856	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	-31.32	-31.05	1.11
Blue	20.24	16.19 - 24.29	1.42	1.14 - 1.70	0.00	0.00	1.47
Red	17.13	14.40 - 21.60	N/A	N/A	28.90	29.18	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9516

Fluidics

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

Comments