

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:	11/28/2022 09:34 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	126002	0	3.52	126181	3.48
Blue	F	SSC	125000	123573	-2	1.90	124179	1.89
Blue	E	FITC	20683	19959	-4	2.90	425	22.89
Blue	D	PE	34454	34069	-2	1.86	724	15.25
Blue	B	PE-Cy5	48076	47305	-2	4.15	1373	22.86
Blue	A	PE-Cy7	34574	34326	-1	5.90	733	35.26
Red	C	APC	54895	55466	1	2.78	1804	13.83
Red	A	APC-Cy7	41657	41349	-1	2.86	1213	12.59
Violet	B	DAPI	11284	10875	-4	3.72	696	13.21
Violet	A	AmCyan	44139	42901	-3	3.47	1055	13.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17440	22.72	590	25	N/A	N/A	Pass
Blue	F	SSC	56882	1.77	409	11	N/A	N/A	Pass
Blue	E	FITC	77	79.83	474	15	0.0168	391	Pass
Blue	D	PE	147	55.41	507	17	0.1725	368	Pass
Blue	B	PE-Cy5	243	60.03	649	20	0.0071	136	Pass
Blue	A	PE-Cy7	137	88.63	661	17	0.0136	22	Pass
Red	C	APC	403	29.27	682	11	0.0202	59	Pass
Red	A	APC-Cy7	258	30.70	531	6	0.0046	1148	Pass
Violet	B	DAPI	98	75.89	459	10	0.0785	6869	Pass
Violet	A	AmCyan	152	68.43	521	14	0.0200	7108	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	-30.53	-29.95	1.17
Blue	20.23	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.49
Red	14.33	12.72 - 19.08	N/A	N/A	27.97	28.49	1.30

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9729

Fluidics

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

Comments