

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:	02/06/2023 08:33 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	125879	0	1.87	125950	1.87
Blue	F	SSC	125000	124763	-1	1.88	125351	1.92
Blue	E	FITC	20434	19816	-4	2.40	420	19.32
Blue	D	PE	34399	34125	-1	1.61	724	12.43
Blue	B	PE-Cy5	48387	47472	-2	3.49	1380	18.61
Blue	A	PE-Cy7	34835	34212	-2	5.27	762	28.50
Red	C	APC	54234	54419	0	2.43	1774	12.24
Red	A	APC-Cy7	42473	42204	-1	3.12	1295	11.23
Violet	B	DAPI	10884	10486	-4	2.44	677	11.58
Violet	A	AmCyan	41787	40702	-3	2.19	1001	11.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17162	12.35	547	-18	N/A	N/A	Pass
Blue	F	SSC	58409	1.74	388	-10	N/A	N/A	Pass
Blue	E	FITC	78	64.34	448	-11	0.0231	225	Pass
Blue	D	PE	149	45.51	479	-11	0.2972	417	Pass
Blue	B	PE-Cy5	256	47.13	616	-14	0.0108	119	Pass
Blue	A	PE-Cy7	152	69.09	631	-12	0.0203	24	Pass
Red	C	APC	399	27.17	666	-1	0.0278	198	Pass
Red	A	APC-Cy7	276	27.92	523	-1	0.0060	1764	Pass
Violet	B	DAPI	94	67.07	445	2	0.0930	6069	Pass
Violet	A	AmCyan	146	60.44	505	3	0.0263	7464	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	-30.83	-30.64	1.13
Blue	20.24	16.19 - 24.29	1.44	1.14 - 1.70	0.00	0.00	1.48
Red	17.67	14.40 - 21.60	N/A	N/A	28.47	28.78	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9880

Fluidics

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

Comments