

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:	05/30/2023 09:08 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	125896	0	1.85	125940	1.93
Blue	F	SSC	125000	124527	-1	1.70	125060	1.66
Blue	E	FITC	20434	20159	-2	2.35	426	18.60
Blue	D	PE	34399	33608	-3	1.59	713	12.66
Blue	B	PE-Cy5	48387	47235	-3	3.38	1361	18.37
Blue	A	PE-Cy7	34835	34145	-2	5.08	749	27.65
Red	C	APC	54234	54581	0	2.95	1765	12.21
Red	A	APC-Cy7	42473	41681	-2	2.85	1234	11.09
Violet	B	DAPI	10884	10346	-5	3.08	695	12.07
Violet	A	AmCyan	41787	40121	-4	2.86	985	12.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14571	13.80	551	-14	N/A	N/A	Pass
Blue	F	SSC	58293	1.15	391	-7	N/A	N/A	Pass
Blue	E	FITC	77	68.43	447	-12	0.0280	423	Pass
Blue	D	PE	147	44.93	477	-13	0.2564	328	Pass
Blue	B	PE-Cy5	254	48.55	612	-18	0.0115	207	Pass
Blue	A	PE-Cy7	148	68.20	622	-21	0.0221	28	Pass
Red	C	APC	399	26.55	659	-8	0.0286	172	Pass
Red	A	APC-Cy7	261	27.22	515	-9	0.0062	1259	Pass
Violet	B	DAPI	98	68.03	444	1	0.0792	5936	Pass
Violet	A	AmCyan	145	57.66	505	3	0.0217	5392	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	-30.24	-29.82	1.15
Blue	20.25	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.49
Red	18.66	14.40 - 21.60	N/A	N/A	27.77	28.04	1.26

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9629

Fluidics

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

Comments