

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:	02/26/2024 08:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/07/2023 11:15 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	124739	-1	1.22	124865	1.23
Blue	F	SSC	125000	122866	-2	2.10	123525	2.09
Blue	E	FITC	20274	19851	-3	2.61	421	19.05
Blue	D	PE	33957	33048	-3	1.94	704	12.64
Blue	B	PE-Cy5	48011	47809	-1	3.49	1377	19.06
Blue	A	PE-Cy7	35963	35621	-1	5.03	783	28.27
Red	C	APC	55970	55790	-1	2.65	1817	13.03
Red	A	APC-Cy7	43527	43253	-1	2.85	1279	12.04
Violet	B	DAPI	12286	11863	-4	2.40	769	13.05
Violet	A	AmCyan	41615	40935	-2	2.36	1007	11.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18484	3.61	542	1	N/A	N/A	Pass
Blue	F	SSC	56101	1.87	388	2	N/A	N/A	Pass
Blue	E	FITC	77	67.14	447	2	0.0255	354	Pass
Blue	D	PE	143	45.39	478	2	0.2628	337	Pass
Blue	B	PE-Cy5	254	47.72	616	4	0.0102	94	Pass
Blue	A	PE-Cy7	152	69.85	633	5	0.0209	24	Pass
Red	C	APC	400	28.62	674	2	0.0237	131	Pass
Red	A	APC-Cy7	268	30.07	528	0	0.0052	1401	Pass
Violet	B	DAPI	107	61.64	446	-4	0.0335	1525	Pass
Violet	A	AmCyan	147	53.47	503	-2	0.0254	5300	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	-29.54	-29.26	1.21
Blue	20.24	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.46
Red	15.63	14.40 - 21.60	N/A	N/A	28.95	29.33	1.27

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 10181

Fluidics

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

Comments