

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:	01/04/2023 10:14 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	127560	2	2.26	127679	2.30
Blue	F	SSC	125000	124818	-1	1.43	125504	1.41
Blue	E	FITC	20683	20344	-2	2.60	431	21.18
Blue	D	PE	34454	34071	-2	1.71	724	13.53
Blue	B	PE-Cy5	48076	48172	0	3.90	1392	20.33
Blue	A	PE-Cy7	34574	34474	-1	5.88	745	31.09
Red	C	APC	54895	55543	1	2.44	1802	12.59
Red	A	APC-Cy7	41657	41839	0	2.75	1232	11.72
Violet	B	DAPI	11284	11007	-3	2.27	696	12.03
Violet	A	AmCyan	44139	43447	-2	1.93	1073	12.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18441	9.60	558	-7	N/A	N/A	Pass
Blue	F	SSC	57351	1.26	393	-5	N/A	N/A	Pass
Blue	E	FITC	78	76.98	456	-3	0.0209	467	Pass
Blue	D	PE	147	48.41	486	-4	0.2165	326	Pass
Blue	B	PE-Cy5	255	52.33	626	-3	0.0091	140	Pass
Blue	A	PE-Cy7	144	75.67	638	-6	0.0174	18	Pass
Red	C	APC	402	27.51	668	-3	0.0257	137	Pass
Red	A	APC-Cy7	261	27.93	522	-3	0.0053	822	Pass
Violet	B	DAPI	96	71.51	445	-4	0.0896	6362	Pass
Violet	A	AmCyan	154	70.34	506	-1	0.0263	10480	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	-30.52	-30.26	1.13
Blue	20.24	16.19 - 24.29	1.40	1.14 - 1.70	0.00	0.00	1.50
Red	15.64	14.40 - 21.60	N/A	N/A	28.15	28.42	1.27

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9955

Fluidics

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

Comments