

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V96300958
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 9.0
Date: 11/22/2021 09:09 AM
Cytometer Baseline: 01/07/2021 10:46 AM
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	124868	-1	2.30	125031	2.27
Blue	F	SSC	125000	124622	-1	2.26	125240	2.27
Blue	E	FITC	20730	20320	-2	2.66	428	21.33
Blue	D	PE	37062	36593	-2	1.88	775	14.08
Blue	B	PE-Cy5	46445	45352	-3	3.77	1328	20.96
Blue	A	PE-Cy7	33824	33291	-2	5.64	757	32.06
Red	C	APC	57179	57229	0	3.17	1856	13.19
Red	A	APC-Cy7	43213	43066	-1	2.99	1351	12.22
Violet	B	DAPI	11061	10616	-5	3.42	695	12.13
Violet	A	AmCyan	46201	44560	-4	3.15	1091	12.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16440	14.84	564	-1	N/A	N/A	Pass
Blue	F	SSC	57427	2.07	398	6	N/A	N/A	Pass
Blue	E	FITC	78	76.98	459	7	0.0207	461	Pass
Blue	D	PE	157	50.83	496	5	0.2050	350	Pass
Blue	B	PE-Cy5	243	54.00	628	7	0.0084	138	Pass
Blue	A	PE-Cy7	145	77.95	645	8	0.0154	17	Pass
Red	C	APC	414	29.09	678	3	0.0239	171	Pass
Red	A	APC-Cy7	289	28.85	531	3	0.0046	934	Pass
Violet	B	DAPI	96	69.66	446	3	0.0861	6261	Pass
Violet	A	AmCyan	159	60.60	509	7	0.0218	5940	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	59.82	47.84 - 71.76	N/A	N/A	-30.10	-29.62	1.16
Blue	20.25	16.19 - 24.29	1.40	1.14 - 1.70	0.00	0.00	1.50
Red	18.19	12.72 - 19.08	N/A	N/A	27.52	28.13	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9537

Fluidics

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

Comments