

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V96300958
Input Device: Carousel
Setup Bead Position: 1
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0
Date: 01/28/2019 09:27 AM
Cytometer Baseline: 12/17/2018 10:11 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 72518 **Expiration Date:** 09/30/2019
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	124529	-1	1.34	124630	1.34
Blue	F	SSC	125000	123624	-2	2.66	124554	2.73
Blue	E	FITC	19383	18900	-3	2.55	483	15.80
Blue	D	PE	36216	35305	-3	1.99	793	11.91
Blue	B	PE-Cy5	55140	53580	-3	3.28	1521	17.29
Blue	A	PE-Cy7	42167	40730	-4	4.86	940	25.11
Red	C	APC	67610	66828	-2	2.30	1909	12.42
Red	A	APC-Cy7	50926	49327	-4	3.12	1517	10.85
Violet	B	DAPI	12515	12274	-2	2.35	820	9.72
Violet	A	AmCyan	46312	45312	-3	2.09	1413	7.57

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18524	7.14	534	-8	N/A	N/A	Pass
Blue	F	SSC	57725	2.66	388	3	N/A	N/A	Pass
Blue	E	FITC	75	62.27	435	-4	0.0323	268	Pass
Blue	D	PE	157	44.19	475	-4	0.2940	367	Pass
Blue	B	PE-Cy5	236	46.57	605	-7	0.0112	60	Pass
Blue	A	PE-Cy7	139	67.68	622	-8	0.0218	4	Pass
Red	C	APC	372	29.44	668	-7	0.0260	136	Pass
Red	A	APC-Cy7	216	32.54	520	-8	0.0054	973	Pass
Violet	B	DAPI	103	59.30	441	-2	0.1100	5148	Pass
Violet	A	AmCyan	154	38.83	488	-2	0.0412	3619	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	-30.19	-29.72	1.22
Blue	20.24	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.52
Red	17.26	12.00 - 18.00	N/A	N/A	27.71	28.16	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9689

Fluidics

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

Comments