

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: 06/14/2021 09:20 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	125154	0	1.98	125262	1.95
Blue	F	SSC	125000	125562	0	1.63	126106	1.60
Blue	E	FITC	20730	20247	-3	2.47	423	19.13
Blue	D	PE	37062	36683	-2	1.71	778	12.72
Blue	B	PE-Cy5	46445	45904	-2	3.72	1325	19.19
Blue	A	PE-Cy7	33824	33154	-2	5.57	728	29.03
Red	C	APC	57179	57314	0	3.03	1859	13.11
Red	A	APC-Cy7	43213	42348	-3	2.83	1256	12.05
Violet	B	DAPI	11061	10632	-4	5.30	699	13.00
Violet	A	AmCyan	46201	44229	-5	5.32	1079	11.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15581	12.42	546	-19	N/A	N/A	Pass
Blue	F	SSC	58451	1.23	393	1	N/A	N/A	Pass
Blue	E	FITC	77	66.86	447	-5	0.0250	300	Pass
Blue	D	PE	159	45.18	485	-6	0.2515	323	Pass
Blue	B	PE-Cy5	245	48.50	614	-7	0.0102	117	Pass
Blue	A	PE-Cy7	141	71.74	627	-10	0.0199	24	Pass
Red	C	APC	416	28.80	676	1	0.0241	163	Pass
Red	A	APC-Cy7	267	29.36	526	-2	0.0051	1167	Pass
Violet	B	DAPI	96	65.09	448	5	0.0536	3133	Pass
Violet	A	AmCyan	155	44.93	510	8	0.0279	3381	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	-29.71	-29.27	1.18
Blue	20.25	16.19 - 24.29	1.40	1.14 - 1.70	0.00	0.00	1.52
Red	16.47	12.72 - 19.08	N/A	N/A	27.53	27.85	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9649

Fluidics

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

Comments