

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: 04/26/2021 08:52 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	124813	-1	2.46	125007	2.48
Blue	F	SSC	125000	125753	0	1.62	126502	1.57
Blue	E	FITC	20730	20131	-3	2.34	420	18.26
Blue	D	PE	37062	36926	-1	1.67	776	13.08
Blue	B	PE-Cy5	46445	45472	-3	3.58	1319	18.30
Blue	A	PE-Cy7	33824	33228	-2	5.42	759	28.23
Red	C	APC	57179	56341	-2	2.62	1836	13.25
Red	A	APC-Cy7	43213	42320	-3	2.91	1292	11.99
Violet	B	DAPI	11061	10714	-4	2.07	815	9.40
Violet	A	AmCyan	46201	45528	-2	1.71	1121	10.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	12773	19.52	539	-26	N/A	N/A	Pass
Blue	F	SSC	58566	1.13	388	-4	N/A	N/A	Pass
Blue	E	FITC	76	65.23	442	-10	0.0282	302	Pass
Blue	D	PE	158	45.62	482	-9	0.2238	275	Pass
Blue	B	PE-Cy5	252	46.44	608	-13	0.0114	161	Pass
Blue	A	PE-Cy7	152	66.72	623	-14	0.0199	15	Pass
Red	C	APC	414	28.42	675	0	0.0225	102	Pass
Red	A	APC-Cy7	279	28.11	524	-4	0.0049	821	Pass
Violet	B	DAPI	108	56.40	438	-5	0.1396	8051	Pass
Violet	A	AmCyan	168	46.66	504	2	0.0266	4136	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	-30.12	-29.58	1.18
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.52
Red	17.53	12.80 - 19.20	N/A	N/A	27.50	28.00	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9506

Fluidics

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

Comments