

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: 10/25/2021 09:33 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	125704	0	2.08	125775	2.10
Blue	F	SSC	125000	125024	0	1.54	125539	1.45
Blue	E	FITC	20730	19810	-5	2.56	415	19.80
Blue	D	PE	37062	36243	-3	1.71	771	13.27
Blue	B	PE-Cy5	46445	45700	-2	3.69	1336	20.13
Blue	A	PE-Cy7	33824	32814	-3	5.15	721	32.06
Red	C	APC	57179	56852	-1	2.66	1842	13.28
Red	A	APC-Cy7	43213	42599	-2	2.62	1302	12.04
Violet	B	DAPI	11061	10548	-5	3.52	673	11.76
Violet	A	AmCyan	46201	45007	-3	3.28	1108	10.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16059	13.72	563	-2	N/A	N/A	Pass
Blue	F	SSC	57753	1.17	398	6	N/A	N/A	Pass
Blue	E	FITC	76	66.86	456	4	0.0223	237	Pass
Blue	D	PE	157	48.01	494	3	0.2371	360	Pass
Blue	B	PE-Cy5	244	51.85	627	6	0.0091	135	Pass
Blue	A	PE-Cy7	139	76.52	640	3	0.0157	9	Pass
Red	C	APC	413	28.17	682	7	0.0224	74	Pass
Red	A	APC-Cy7	277	28.96	532	4	0.0048	998	Pass
Violet	B	DAPI	95	65.09	453	10	0.0914	5536	Pass
Violet	A	AmCyan	161	39.46	517	15	0.0258	2159	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	-30.31	-29.88	1.16
Blue	20.25	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.50
Red	15.85	12.72 - 19.08	N/A	N/A	28.14	28.42	1.29

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9674

Fluidics

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

Comments