

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: 08/16/2021 10:04 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	124569	-1	2.05	124679	2.01
Blue	F	SSC	125000	124876	-1	1.27	125560	1.21
Blue	E	FITC	20730	20328	-2	2.64	430	20.50
Blue	D	PE	37062	36805	-1	1.68	784	13.85
Blue	B	PE-Cy5	46445	45120	-3	3.80	1302	20.83
Blue	A	PE-Cy7	33824	32776	-4	5.42	716	31.54
Red	C	APC	57179	57233	0	2.77	1857	13.46
Red	A	APC-Cy7	43213	42895	-1	2.81	1261	12.54
Violet	B	DAPI	11061	10643	-4	3.11	678	13.04
Violet	A	AmCyan	46201	45364	-2	2.96	1115	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	14946	14.43	561	-4	N/A	N/A	Pass
Blue	F	SSC	57029	1.06	398	6	N/A	N/A	Pass
Blue	E	FITC	77	69.77	457	5	0.0203	261	Pass
Blue	D	PE	160	48.01	495	4	0.1913	274	Pass
Blue	B	PE-Cy5	237	53.22	626	5	0.0086	117	Pass
Blue	A	PE-Cy7	135	78.29	640	3	0.0166	20	Pass
Red	C	APC	413	29.75	684	9	0.0223	154	Pass
Red	A	APC-Cy7	267	31.40	535	7	0.0048	1511	Pass
Violet	B	DAPI	92	71.31	451	8	0.0498	3276	Pass
Violet	A	AmCyan	161	47.27	515	13	0.0290	4326	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	-29.48	-29.17	1.17
Blue	20.25	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.53
Red	14.69	12.72 - 19.08	N/A	N/A	27.34	27.71	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9699

Fluidics

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

Comments