

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: 06/28/2021 09:11 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	125070	0	2.48	125359	2.45
Blue	F	SSC	125000	123875	-1	1.73	124422	1.69
Blue	E	FITC	20730	20149	-3	2.58	419	20.41
Blue	D	PE	37062	37017	-1	1.81	783	13.53
Blue	B	PE-Cy5	46445	45350	-3	3.88	1306	20.02
Blue	A	PE-Cy7	33824	33235	-2	5.87	737	30.57
Red	C	APC	57179	56960	-1	3.08	1847	13.05
Red	A	APC-Cy7	43213	42879	-1	2.86	1282	12.23
Violet	B	DAPI	11061	10655	-4	4.96	725	12.41
Violet	A	AmCyan	46201	44881	-3	4.90	1093	11.89

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16240	13.37	554	-11	N/A	N/A	Pass
Blue	F	SSC	57613	1.42	395	3	N/A	N/A	Pass
Blue	E	FITC	76	77.10	451	-1	0.0246	560	Pass
Blue	D	PE	161	47.56	490	-1	0.2151	313	Pass
Blue	B	PE-Cy5	246	52.17	619	-2	0.0096	196	Pass
Blue	A	PE-Cy7	144	71.79	633	-4	0.0173	7	Pass
Red	C	APC	414	29.08	679	4	0.0247	204	Pass
Red	A	APC-Cy7	273	29.37	529	1	0.0048	1011	Pass
Violet	B	DAPI	99	64.54	448	5	0.0628	3901	Pass
Violet	A	AmCyan	157	53.81	512	10	0.0266	5306	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	59.82	47.84 - 71.76	N/A	N/A	-29.54	-29.25	1.17
Blue	20.24	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.52
Red	15.32	12.72 - 19.08	N/A	N/A	27.43	27.80	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10181

Fluidics

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

Comments