

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: 07/26/2021 09:35 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	123937	-1	2.15	124070	2.11
Blue	F	SSC	125000	124663	-1	1.43	125304	1.44
Blue	E	FITC	20730	20060	-4	2.54	422	19.73
Blue	D	PE	37062	36487	-2	1.77	775	13.37
Blue	B	PE-Cy5	46445	45407	-3	3.84	1304	19.87
Blue	A	PE-Cy7	33824	32991	-3	5.57	719	31.66
Red	C	APC	57179	56982	-1	2.92	1843	13.47
Red	A	APC-Cy7	43213	42591	-2	2.90	1252	12.64
Violet	B	DAPI	11061	10620	-4	3.99	671	12.94
Violet	A	AmCyan	46201	44838	-3	3.81	1099	11.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15163	13.81	554	-11	N/A	N/A	Pass
Blue	F	SSC	57090	1.19	395	3	N/A	N/A	Pass
Blue	E	FITC	77	63.96	452	0	0.0211	151	Pass
Blue	D	PE	156	48.94	490	-1	0.2343	365	Pass
Blue	B	PE-Cy5	237	51.32	621	0	0.0096	132	Pass
Blue	A	PE-Cy7	138	74.94	635	-2	0.0162	6	Pass
Red	C	APC	408	30.13	682	7	0.0227	180	Pass
Red	A	APC-Cy7	266	30.83	533	5	0.0046	1155	Pass
Violet	B	DAPI	91	70.33	451	8	0.0565	3561	Pass
Violet	A	AmCyan	160	45.45	514	12	0.0231	2918	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	-29.70	-29.36	1.17
Blue	20.25	16.19 - 24.29	1.40	1.14 - 1.70	0.00	0.00	1.52
Red	15.22	12.72 - 19.08	N/A	N/A	27.47	27.81	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9577

Fluidics

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

Comments