

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: 06/21/2021 09:03 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	124556	-1	2.46	124776	2.41
Blue	F	SSC	125000	124053	-1	1.55	124604	1.48
Blue	E	FITC	20730	20246	-3	2.70	425	20.19
Blue	D	PE	37062	36698	-1	1.92	778	13.93
Blue	B	PE-Cy5	46445	45549	-2	4.04	1323	19.96
Blue	A	PE-Cy7	33824	32966	-3	5.97	720	30.72
Red	C	APC	57179	56677	-1	3.04	1837	13.46
Red	A	APC-Cy7	43213	42645	-2	2.87	1269	12.06
Violet	B	DAPI	11061	10546	-5	4.88	707	12.71
Violet	A	AmCyan	46201	44739	-4	4.80	1090	11.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15080	15.04	557	-8	N/A	N/A	Pass
Blue	F	SSC	57274	1.25	396	4	N/A	N/A	Pass
Blue	E	FITC	76	71.16	455	3	0.0220	314	Pass
Blue	D	PE	156	50.38	493	2	0.2068	336	Pass
Blue	B	PE-Cy5	242	52.22	623	2	0.0095	170	Pass
Blue	A	PE-Cy7	138	76.57	636	-1	0.0179	26	Pass
Red	C	APC	411	28.60	678	3	0.0220	83	Pass
Red	A	APC-Cy7	270	29.07	528	0	0.0050	1021	Pass
Violet	B	DAPI	97	66.90	448	5	0.0620	4111	Pass
Violet	A	AmCyan	155	48.67	512	10	0.0248	3617	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	-29.58	-29.19	1.19
Blue	20.25	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.52
Red	15.31	12.72 - 19.08	N/A	N/A	27.34	27.74	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9528

Fluidics

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

Comments