

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: 02/08/2021 01:35 PM
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	124545	-1	1.99	124750	1.98
Blue	F	SSC	125000	121995	-3	1.39	122551	1.36
Blue	E	FITC	20730	19854	-5	2.31	413	18.60
Blue	D	PE	37062	36522	-2	1.62	770	12.62
Blue	B	PE-Cy5	46445	45206	-3	3.54	1306	19.31
Blue	A	PE-Cy7	33824	32526	-4	5.53	732	29.34
Red	C	APC	57179	56602	-2	2.76	1827	12.89
Red	A	APC-Cy7	43213	42299	-3	2.85	1285	12.37
Violet	B	DAPI	11061	10808	-3	2.02	771	9.75
Violet	A	AmCyan	46201	45544	-2	1.69	1116	9.86

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13878	15.24	543	-22	N/A	N/A	Pass
Blue	F	SSC	57027	0.96	387	-5	N/A	N/A	Pass
Blue	E	FITC	74	69.59	443	-9	0.0292	444	Pass
Blue	D	PE	158	45.62	483	-8	0.2737	371	Pass
Blue	B	PE-Cy5	247	48.50	610	-11	0.0100	123	Pass
Blue	A	PE-Cy7	145	71.79	625	-12	0.0190	26	Pass
Red	C	APC	414	27.95	672	-3	0.0247	143	Pass
Red	A	APC-Cy7	279	28.11	523	-5	0.0044	443	Pass
Violet	B	DAPI	103	57.28	439	-4	0.1234	6521	Pass
Violet	A	AmCyan	161	45.45	502	0	0.0304	4094	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	-29.82	-29.52	1.18
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.53
Red	17.65	12.80 - 19.20	N/A	N/A	27.66	28.00	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9554

Fluidics

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

Comments