

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V96300958	Software:	BD FACSDiva 9.0
Input Device:	Carousel	Date:	08/21/2023 09:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/16/2023 10:20 AM
Cytometer Configuration:	Canto II Config 3-laser, 8-color (4-2-2)	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	124409	-1	1.52	124663	1.55
Blue	F	SSC	125000	122479	-3	2.24	123248	2.28
Blue	E	FITC	20434	20083	-2	2.48	424	19.59
Blue	D	PE	34399	33975	-2	1.64	719	13.11
Blue	B	PE-Cy5	48387	46987	-3	3.52	1363	19.27
Blue	A	PE-Cy7	34835	34322	-2	4.93	762	29.18
Red	C	APC	54234	54731	0	2.50	1781	13.18
Red	A	APC-Cy7	42473	42299	-1	2.62	1265	11.90
Violet	B	DAPI	10884	10530	-4	2.65	731	10.83
Violet	A	AmCyan	41787	40872	-3	2.33	1013	10.92

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19175	7.15	545	-20	N/A	N/A	Pass
Blue	F	SSC	56746	2.06	395	-3	N/A	N/A	Pass
Blue	E	FITC	77	72.68	450	-9	0.0258	498	Pass
Blue	D	PE	148	48.41	481	-9	0.2683	438	Pass
Blue	B	PE-Cy5	257	48.84	618	-12	0.0101	139	Pass
Blue	A	PE-Cy7	151	70.42	629	-14	0.0192	20	Pass
Red	C	APC	398	28.96	672	5	0.0231	146	Pass
Red	A	APC-Cy7	269	29.07	525	1	0.0051	1188	Pass
Violet	B	DAPI	108	55.02	442	-1	0.0749	3960	Pass
Violet	A	AmCyan	158	46.98	506	4	0.0244	4241	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)

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: 08/21/2023 09:38 AM
Cytometer Baseline: 01/16/2023 10:20 AM
P/F: Pass

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	-29.55	-29.25	1.11
Blue	20.24	16.19 - 24.29	1.42	1.14 - 1.70	0.00	0.00	1.51
Red	15.66	14.40 - 21.60	N/A	N/A	27.34	27.67	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10384

Fluidics

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

Comments