

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:	07/17/2023 09:00 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	125816	0	4.05	126049	4.04
Blue	F	SSC	125000	122143	-3	2.97	122718	2.93
Blue	E	FITC	20434	19645	-4	2.71	414	21.57
Blue	D	PE	34399	33932	-2	1.98	720	13.34
Blue	B	PE-Cy5	48387	47559	-2	3.71	1377	20.28
Blue	A	PE-Cy7	34835	34340	-2	5.11	761	29.95
Red	C	APC	54234	54150	-1	3.58	1750	12.85
Red	A	APC-Cy7	42473	41552	-3	3.40	1242	11.76
Violet	B	DAPI	10884	10264	-6	3.68	669	13.79
Violet	A	AmCyan	41787	40054	-5	3.48	982	14.01

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17118	26.56	561	-4	N/A	N/A	Pass
Blue	F	SSC	57078	2.89	393	-5	N/A	N/A	Pass
Blue	E	FITC	76	81.40	449	-10	0.0225	676	Pass
Blue	D	PE	147	49.92	480	-10	0.2688	475	Pass
Blue	B	PE-Cy5	250	58.05	619	-11	0.0097	355	Pass
Blue	A	PE-Cy7	144	78.76	631	-12	0.0190	46	Pass
Red	C	APC	393	27.65	664	-3	0.0259	150	Pass
Red	A	APC-Cy7	262	27.80	523	-1	0.0054	853	Pass
Violet	B	DAPI	96	75.94	443	0	0.0573	5331	Pass
Violet	A	AmCyan	144	71.12	506	4	0.0192	7783	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	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V96300958	Software:	BD FACSDiva 9.0
Input Device:	Carousel	Date:	07/17/2023 09:00 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

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	-29.73	-29.35	1.18
Blue	20.25	16.19 - 24.29	1.45	1.14 - 1.70	0.00	0.00	1.51
Red	15.73	14.40 - 21.60	N/A	N/A	27.33	27.61	1.26

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9780

Fluidics

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

Comments