

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:	08/09/2021 11:01 AM	
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/07/2021 10:46 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	126106	0	2.14	126302	2.21
Blue	F	SSC	125000	123427	-2	1.39	123932	1.35
Blue	E	FITC	20730	20184	-3	2.66	426	19.52
Blue	D	PE	37062	36654	-2	1.86	778	13.87
Blue	B	PE-Cy5	46445	44799	-4	4.05	1298	20.96
Blue	A	PE-Cy7	33824	32698	-4	6.21	711	31.93
Red	C	APC	57179	56900	-1	3.03	1835	13.86
Red	A	APC-Cy7	43213	42564	-2	3.37	1251	13.29
Violet	B	DAPI	11061	10803	-3	4.24	736	12.12
Violet	A	AmCyan	46201	44971	-3	4.06	1110	10.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14497	15.40	561	-4	N/A	N/A	Pass
Blue	F	SSC	57042	1.12	399	7	N/A	N/A	Pass
Blue	E	FITC	77	66.86	457	5	0.0229	254	Pass
Blue	D	PE	159	49.42	496	5	0.2070	332	Pass
Blue	B	PE-Cy5	239	52.55	626	5	0.0084	99	Pass
Blue	A	PE-Cy7	136	79.07	641	4	0.0165	23	Pass
Red	C	APC	413	30.32	685	10	0.0211	144	Pass
Red	A	APC-Cy7	263	31.88	535	7	0.0041	944	Pass
Violet	B	DAPI	101	63.79	449	6	0.0628	3876	Pass
Violet	A	AmCyan	163	37.33	512	10	0.0257	1833	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:	08/09/2021 11:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/07/2021 10:46 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	59.80	47.84 - 71.76	N/A	N/A	-29.84	-29.29	1.18
Blue	20.25	16.19 - 24.29	1.40	1.14 - 1.70	0.00	0.00	1.52
Red	15.34	12.72 - 19.08	N/A	N/A	27.35	27.81	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9506

Fluidics

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

Comments