

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:	06/26/2023 09:08 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	129315	3	3.70	129395	3.74
Blue	F	SSC	125000	123899	-1	3.37	124690	3.31
Blue	E	FITC	20434	19919	-3	2.77	420	20.12
Blue	D	PE	34399	33791	-2	2.08	718	13.03
Blue	B	PE-Cy5	48387	47897	-2	3.79	1393	19.51
Blue	A	PE-Cy7	34835	34564	-1	5.02	748	29.18
Red	C	APC	54234	54081	-1	3.49	1754	12.53
Red	A	APC-Cy7	42473	41439	-3	3.23	1215	11.44
Violet	B	DAPI	10884	10419	-5	3.49	651	12.65
Violet	A	AmCyan	41787	40503	-4	3.18	991	12.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18758	22.82	566	1	N/A	N/A	Pass
Blue	F	SSC	57397	3.25	394	-4	N/A	N/A	Pass
Blue	E	FITC	78	71.28	450	-9	0.0233	412	Pass
Blue	D	PE	147	46.90	481	-9	0.2522	364	Pass
Blue	B	PE-Cy5	249	51.80	620	-10	0.0099	170	Pass
Blue	A	PE-Cy7	144	71.04	629	-14	0.0196	15	Pass
Red	C	APC	390	26.96	661	-6	0.0272	140	Pass
Red	A	APC-Cy7	256	27.89	519	-5	0.0059	1165	Pass
Violet	B	DAPI	91	71.24	442	-1	0.0743	5124	Pass
Violet	A	AmCyan	143	58.81	503	1	0.0220	5442	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: 06/26/2023 09:08 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	-29.69	-29.43	1.18
Blue	20.24	16.19 - 24.29	1.42	1.14 - 1.70	0.00	0.00	1.50
Red	16.20	14.40 - 21.60	N/A	N/A	27.32	27.56	1.27

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10100

Fluidics

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

Comments