

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:	07/10/2023 09:11 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	124985	-1	3.34	125042	3.41
Blue	F	SSC	125000	124220	-1	2.82	124875	2.73
Blue	E	FITC	20434	20034	-2	2.63	424	27.77
Blue	D	PE	34399	34240	-1	1.82	728	14.95
Blue	B	PE-Cy5	48387	47652	-2	3.81	1374	21.75
Blue	A	PE-Cy7	34835	34117	-3	5.28	760	31.29
Red	C	APC	54234	54459	0	3.65	1756	12.70
Red	A	APC-Cy7	42473	42023	-2	3.44	1259	11.61
Violet	B	DAPI	10884	10352	-5	3.86	670	16.68
Violet	A	AmCyan	41787	40762	-3	3.57	998	22.20

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16893	22.24	566	1	N/A	N/A	Pass
Blue	F	SSC	57854	2.58	397	-1	N/A	N/A	Pass
Blue	E	FITC	77	125.45	455	-4	0.0222	2396	Pass
Blue	D	PE	148	58.41	486	-4	0.2315	608	Pass
Blue	B	PE-Cy5	250	68.36	626	-4	0.0092	644	Pass
Blue	A	PE-Cy7	145	85.59	637	-6	0.0178	70	Pass
Red	C	APC	395	27.95	662	-5	0.0274	217	Pass
Red	A	APC-Cy7	268	27.97	522	-2	0.0057	1227	Pass
Violet	B	DAPI	93	103.22	444	1	0.0573	9836	Pass
Violet	A	AmCyan	146	133.91	507	5	0.0144	22852	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: 07/10/2023 09:11 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	-29.76	-29.53	1.18
Blue	20.24	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.50
Red	16.20	14.40 - 21.60	N/A	N/A	27.47	27.67	1.26

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9690

Fluidics

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

Comments