

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:	10/30/2023 08:59 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	125834	0	1.39	125906	1.42
Blue	F	SSC	125000	127211	1	1.90	127865	1.85
Blue	E	FITC	20434	19821	-3	2.41	420	18.73
Blue	D	PE	34399	33677	-3	1.65	716	12.56
Blue	B	PE-Cy5	48387	47604	-2	3.48	1379	18.76
Blue	A	PE-Cy7	34835	33875	-3	5.42	748	28.39
Red	C	APC	54234	54520	0	2.65	1765	12.86
Red	A	APC-Cy7	42473	41757	-2	2.66	1245	11.79
Violet	B	DAPI	10884	10545	-4	2.07	671	11.08
Violet	A	AmCyan	41787	41550	-1	1.68	1019	10.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21264	4.58	548	-17	N/A	N/A	Pass
Blue	F	SSC	59034	1.54	392	-6	N/A	N/A	Pass
Blue	E	FITC	77	63.96	446	-13	0.0251	239	Pass
Blue	D	PE	147	45.85	477	-13	0.2822	394	Pass
Blue	B	PE-Cy5	256	47.37	614	-16	0.0106	115	Pass
Blue	A	PE-Cy7	144	68.67	624	-19	0.0204	13	Pass
Red	C	APC	392	28.68	669	2	0.0250	182	Pass
Red	A	APC-Cy7	262	29.80	524	0	0.0054	1601	Pass
Violet	B	DAPI	94	63.81	439	-4	0.1034	5907	Pass
Violet	A	AmCyan	147	47.01	503	1	0.0270	3862	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)

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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	-29.90	-29.67	1.20
Blue	20.25	16.19 - 24.29	1.44	1.14 - 1.70	0.00	0.00	1.52
Red	17.09	14.40 - 21.60	N/A	N/A	27.64	27.89	1.29

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9608

Fluidics

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

Comments