

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:	11/27/2023 09:29 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	125275	0	0.97	125498	0.99
Blue	F	SSC	125000	124899	-1	2.11	125497	2.11
Blue	E	FITC	20434	20097	-2	2.45	423	19.45
Blue	D	PE	34399	34007	-2	1.73	722	12.64
Blue	B	PE-Cy5	48387	47766	-2	3.41	1378	19.06
Blue	A	PE-Cy7	34835	34217	-2	5.20	760	28.71
Red	C	APC	54234	54526	0	2.44	1770	12.55
Red	A	APC-Cy7	42473	41774	-2	2.69	1258	11.37
Violet	B	DAPI	10884	10621	-3	2.35	718	10.76
Violet	A	AmCyan	41787	41438	-1	2.07	1020	12.05

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20352	2.70	552	-13	N/A	N/A	Pass
Blue	F	SSC	58081	1.76	391	-7	N/A	N/A	Pass
Blue	E	FITC	78	71.28	448	-11	0.0261	485	Pass
Blue	D	PE	147	45.39	479	-11	0.2602	336	Pass
Blue	B	PE-Cy5	253	49.13	615	-15	0.0104	140	Pass
Blue	A	PE-Cy7	148	70.39	628	-15	0.0200	23	Pass
Red	C	APC	395	28.13	668	1	0.0264	199	Pass
Red	A	APC-Cy7	266	28.24	522	-2	0.0057	1431	Pass
Violet	B	DAPI	99	63.54	440	-3	0.1220	7798	Pass
Violet	A	AmCyan	151	57.91	504	2	0.0218	5650	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	59.80	47.84 - 71.76	N/A	N/A	-30.45	-30.34	1.18
Blue	20.24	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.50
Red	15.26	14.40 - 21.60	N/A	N/A	28.17	28.49	1.27

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9542

Fluidics

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

Comments