

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator	
Cytometer Name:	FACSCantoII	Institution:	N/A	
Serial Number:	V96300958	Software:	BD FACSDiva 8.0	
Input Device:	Carousel	Date:	08/12/2019 09:24 AM	
Setup Bead Position:	1	Cytometer Baseline:	06/24/2019 09:23 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: 72518 **Expiration Date:** 09/30/2019
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	124530	-1	2.17	124654	2.08
Blue	F	SSC	125000	124054	-1	1.61	124960	1.56
Blue	E	FITC	19687	19126	-3	2.50	485	15.90
Blue	D	PE	35036	34372	-2	1.81	762	12.21
Blue	B	PE-Cy5	53922	52760	-3	3.70	1532	18.37
Blue	A	PE-Cy7	41443	40295	-3	5.82	1033	27.13
Red	C	APC	64207	64135	-1	3.40	1814	12.77
Red	A	APC-Cy7	48785	47774	-3	3.17	1688	11.28
Violet	B	DAPI	11947	11646	-3	2.57	769	9.84
Violet	A	AmCyan	48649	47913	-2	2.31	1471	7.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17590	7.65	543	-17	N/A	N/A	Pass
Blue	F	SSC	57600	1.31	388	-8	N/A	N/A	Pass
Blue	E	FITC	76	59.30	440	-8	0.0302	149	Pass
Blue	D	PE	151	46.42	478	-7	0.2982	428	Pass
Blue	B	PE-Cy5	241	49.73	614	-6	0.0098	93	Pass
Blue	A	PE-Cy7	154	74.86	640	1	0.0170	21	Pass
Red	C	APC	354	29.87	668	-10	0.0259	141	Pass
Red	A	APC-Cy7	245	33.66	532	2	0.0043	1344	Pass
Violet	B	DAPI	94	60.82	436	-14	0.1050	4705	Pass
Violet	A	AmCyan	160	33.70	491	-14	0.0386	1959	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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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	59.82	47.84 - 71.76	N/A	N/A	-29.68	-29.19	1.22
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.53
Red	16.09	12.00 - 18.00	N/A	N/A	27.13	27.61	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9546

Fluidics

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

Comments