

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V96300958
Input Device: Carousel
Setup Bead Position: 1
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0
Date: 10/22/2018 09:29 AM
Cytometer Baseline: 06/11/2018 02:56 PM
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	124565	-1	2.90	124701	2.86
Blue	F	SSC	125000	124675	-1	2.92	125627	2.98
Blue	E	FITC	19423	18819	-4	3.04	481	16.37
Blue	D	PE	36173	35916	-1	2.65	809	12.24
Blue	B	PE-Cy5	57286	56538	-2	3.50	1604	17.67
Blue	A	PE-Cy7	42868	41976	-3	4.76	967	25.83
Red	C	APC	68148	67652	-1	2.33	1932	12.49
Red	A	APC-Cy7	46946	45611	-3	2.83	1398	10.89
Violet	B	DAPI	12571	12161	-4	3.51	791	11.28
Violet	A	AmCyan	45518	44897	-2	3.49	1398	8.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16068	8.39	536	-6	N/A	N/A	Pass
Blue	F	SSC	57238	2.58	382	-3	N/A	N/A	Pass
Blue	E	FITC	75	62.27	439	-3	0.0293	221	Pass
Blue	D	PE	159	42.36	480	-2	0.2361	234	Pass
Blue	B	PE-Cy5	250	49.42	616	-3	0.0110	129	Pass
Blue	A	PE-Cy7	147	70.31	632	-4	0.0207	12	Pass
Red	C	APC	375	29.55	670	-5	0.0256	124	Pass
Red	A	APC-Cy7	198	33.83	516	-5	0.0054	1219	Pass
Violet	B	DAPI	98	68.71	442	1	0.0809	4809	Pass
Violet	A	AmCyan	152	49.81	489	2	0.0395	6835	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	-29.83	-29.56	1.20
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.52
Red	16.87	14.86 - 22.30	N/A	N/A	27.58	27.94	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.94

Threshold

Threshold (FSC): 9920

Fluidics

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

Comments