

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: 10/01/2018 09:43 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	122457	-3	2.23	122541	2.27
Blue	F	SSC	125000	121554	-3	3.78	122656	3.90
Blue	E	FITC	19423	18579	-5	3.35	501	17.02
Blue	D	PE	36173	35596	-2	2.98	952	11.31
Blue	B	PE-Cy5	57286	55428	-4	3.71	1331	17.04
Blue	A	PE-Cy7	42868	41492	-4	5.43	624	26.63
Red	C	APC	68148	68525	0	2.10	2165	11.24
Red	A	APC-Cy7	46946	46160	-2	4.07	933	11.23
Violet	B	DAPI	12571	11973	-5	3.77	840	10.74
Violet	A	AmCyan	45518	44602	-3	3.73	1282	9.29

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18002	5.42	532	-10	N/A	N/A	Pass
Blue	F	SSC	56663	3.85	380	-5	N/A	N/A	Pass
Blue	E	FITC	74	75.64	436	-6	0.0298	638	Pass
Blue	D	PE	163	45.30	480	-2	0.2632	375	Pass
Blue	B	PE-Cy5	204	48.32	590	-29	0.0143	101	Pass
Blue	A	PE-Cy7	99	74.13	595	-41	0.0312	12	Pass
Red	C	APC	449	25.08	654	-21	0.0293	128	Pass
Red	A	APC-Cy7	162	31.60	486	-35	0.0088	989	Pass
Violet	B	DAPI	104	63.79	445	4	0.0837	4924	Pass
Violet	A	AmCyan	155	45.17	492	5	0.0337	4707	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	-30.10	-29.62	1.22
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.51
Red	17.16	14.86 - 22.30	N/A	N/A	27.56	27.82	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11284

Fluidics

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

Comments