

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: 10/15/2018 09:18 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	124373	-1	1.61	124509	1.59
Blue	F	SSC	125000	122245	-3	3.64	123381	3.55
Blue	E	FITC	19423	18610	-5	3.06	502	16.97
Blue	D	PE	36173	35906	-1	2.70	959	10.99
Blue	B	PE-Cy5	57286	56308	-2	3.50	1361	16.80
Blue	A	PE-Cy7	42868	41942	-3	5.24	638	26.35
Red	C	APC	68148	68124	-1	2.16	2150	11.50
Red	A	APC-Cy7	46946	46519	-1	4.07	946	11.08
Violet	B	DAPI	12571	11971	-5	3.54	848	10.50
Violet	A	AmCyan	45518	44301	-3	3.39	1275	9.63

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18332	4.94	532	-10	N/A	N/A	Pass
Blue	F	SSC	57211	3.63	379	-6	N/A	N/A	Pass
Blue	E	FITC	75	74.13	435	-7	0.0296	619	Pass
Blue	D	PE	163	45.30	479	-3	0.2916	417	Pass
Blue	B	PE-Cy5	210	46.93	590	-29	0.0144	84	Pass
Blue	A	PE-Cy7	104	70.91	594	-42	0.0310	6	Pass
Red	C	APC	445	25.30	655	-20	0.0274	88	Pass
Red	A	APC-Cy7	165	31.09	488	-33	0.0091	1010	Pass
Violet	B	DAPI	105	65.71	447	6	0.1127	7460	Pass
Violet	A	AmCyan	154	50.57	494	7	0.0324	6068	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	-29.82	-29.51	1.20
Blue	20.24	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.51
Red	15.71	14.86 - 22.30	N/A	N/A	27.55	27.83	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9584

Fluidics

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

Comments