

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: 01/15/2018 10:15 AM
Cytometer Baseline: 10/23/2017 09:39 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 70106 **Expiration Date:** 01/31/2018
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	123550	-2	2.77	123585	2.79
Blue	F	SSC	125000	123699	-2	4.49	124835	4.64
Blue	E	FITC	18535	17886	-4	3.87	491	17.52
Blue	D	PE	29708	28619	-4	3.69	775	11.67
Blue	B	PE-Cy5	70430	68001	-4	3.57	1570	17.35
Blue	A	PE-Cy7	70607	68705	-3	4.20	919	26.39
Red	C	APC	76673	76886	0	2.89	2463	11.12
Red	A	APC-Cy7	78803	76353	-4	4.10	1380	11.20
Violet	B	DAPI	11434	11047	-4	2.39	777	11.02
Violet	A	AmCyan	43596	42661	-3	2.15	1241	10.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19345	4.19	533	-3	N/A	N/A	Pass
Blue	F	SSC	57656	4.60	385	0	N/A	N/A	Pass
Blue	E	FITC	71	77.22	438	-2	0.0273	542	Pass
Blue	D	PE	130	48.86	471	-2	0.2958	419	Pass
Blue	B	PE-Cy5	241	49.42	608	-1	0.0104	157	Pass
Blue	A	PE-Cy7	144	71.84	632	-1	0.0200	15	Pass
Red	C	APC	511	25.22	667	0	0.0258	203	Pass
Red	A	APC-Cy7	237	29.65	512	-3	0.0053	1242	Pass
Violet	B	DAPI	97	67.72	440	-2	0.0745	4220	Pass
Violet	A	AmCyan	150	58.12	488	-2	0.0281	6358	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	-30.14	-29.97	1.20
Blue	20.25	16.21 - 24.31	1.44	1.14 - 1.70	0.00	0.00	1.49
Red	18.01	13.43 - 20.15	N/A	N/A	27.95	28.26	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9771

Fluidics

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

Comments