

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: 11/13/2017 10:00 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	123998	-1	3.11	124145	3.06
Blue	F	SSC	125000	122124	-3	4.56	123289	4.63
Blue	E	FITC	18535	18015	-3	3.94	494	16.72
Blue	D	PE	29708	28813	-4	3.67	781	12.02
Blue	B	PE-Cy5	70430	69044	-2	3.58	1594	17.67
Blue	A	PE-Cy7	70607	68974	-3	4.35	929	26.72
Red	C	APC	76673	76644	-1	2.54	2462	11.30
Red	A	APC-Cy7	78803	77382	-2	3.57	1388	11.23
Violet	B	DAPI	11434	11103	-3	3.01	778	10.57
Violet	A	AmCyan	43596	42914	-2	2.93	1255	8.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19126	9.68	537	1	N/A	N/A	Pass
Blue	F	SSC	56753	4.61	385	0	N/A	N/A	Pass
Blue	E	FITC	73	66.57	440	0	0.0273	279	Pass
Blue	D	PE	132	48.86	473	0	0.2539	355	Pass
Blue	B	PE-Cy5	244	47.59	610	1	0.0097	61	Pass
Blue	A	PE-Cy7	146	70.31	633	0	0.0192	5	Pass
Red	C	APC	508	24.84	666	-1	0.0236	87	Pass
Red	A	APC-Cy7	239	28.83	512	-3	0.0049	666	Pass
Violet	B	DAPI	96	64.86	439	-3	0.0894	4438	Pass
Violet	A	AmCyan	150	45.07	487	-3	0.0314	3620	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	47.71 - 71.57	N/A	N/A	-30.18	-29.82	1.21
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.51
Red	18.78 (1)	12.40 - 18.60	N/A	N/A	27.58	28.10	1.33

(1) Red Laser power is out of the specification range.

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10112

Fluidics

FACSFlow Pressure: 4.50
Spec.: 4.40 - 4.60

Sample Pressure: 4.40

Comments