

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: 05/30/2016 10:25 AM
Cytometer Baseline: 12/15/2015 01:27 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82950 **Expiration Date:** 03/31/2016 (Expired)
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	123844	-1	1.14	123999	1.10
Blue	F	SSC	125000	123778	-1	1.63	124669	1.59
Blue	E	FITC	19512	18563	-5	2.39	446	17.74
Blue	D	PE	34487	33597	-3	1.66	668	13.53
Blue	B	PE-Cy5	58285	56882	-3	3.95	1134	23.77
Blue	A	PE-Cy7	46791	46184	-2	5.79	602	39.72
Red	C	APC	58704	58526	-1	2.80	1397	16.74
Red	A	APC-Cy7	53810	53137	-2	3.50	826	17.38
Violet	B	DAPI	11790	11281	-5	2.59	782	12.00
Violet	A	AmCyan	45340	43874	-4	2.19	1382	9.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16925	5.08	579	-11	N/A	N/A	Pass
Blue	F	SSC	60955	1.56	404	-17	N/A	N/A	Pass
Blue	E	FITC	82	63.87	453	-21	0.0278	478	Pass
Blue	D	PE	167	41.56	495	-22	0.2502	332	Pass
Blue	B	PE-Cy5	235	57.70	646	-31	0.0078	142	Pass
Blue	A	PE-Cy7	122	98.84	685	-43	0.0128	29	Pass
Red	C	APC	392	33.00	700	-5	0.0171	139	Pass
Red	A	APC-Cy7	196	41.59	554	-7	0.0034	1340	Pass
Violet	B	DAPI	101	69.77	464	-13	0.0528	3563	Pass
Violet	A	AmCyan	167	44.48	515	-12	0.0211	2754	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	59.62	47.71 - 71.57	N/A	N/A	-29.29	-29.05	1.20
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.27
Red	16.71	12.75 - 19.13	N/A	N/A	29.53	29.82	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 11742

Fluidics

FACSFlow Pressure: 4.50
Spec.: 4.40 - 4.60
Sample Pressure: 4.30

Comments