

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: 08/31/2015 10:10 AM
Cytometer Baseline: 06/08/2015 10:24 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82950 **Expiration Date:** 03/31/2016
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	124835	-1	2.03	124921	2.05
Blue	F	SSC	125000	124626	-1	2.40	125599	2.45
Blue	E	FITC	20752	19829	-5	3.09	470	24.09
Blue	D	PE	34971	34061	-3	2.24	677	17.37
Blue	B	PE-Cy5	59521	58098	-3	4.47	1160	27.25
Blue	A	PE-Cy7	45673	46039	0	7.34	608	47.27
Red	C	APC	57794	58110	0	2.58	1379	16.32
Red	A	APC-Cy7	53499	52960	-2	3.20	818	16.89
Violet	B	DAPI	11638	11329	-3	4.30	769	15.62
Violet	A	AmCyan	43958	43381	-2	3.79	1372	13.19

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17144	9.69	583	10	N/A	N/A	Pass
Blue	F	SSC	61437	2.38	418	8	N/A	N/A	Pass
Blue	E	FITC	86	92.98	468	2	0.0169	921	Pass
Blue	D	PE	172	51.95	506	4	0.1394	316	Pass
Blue	B	PE-Cy5	242	68.29	649	11	0.0060	221	Pass
Blue	A	PE-Cy7	119	124.47	697	21	0.0092	47	Pass
Red	C	APC	386	33.00	698	11	0.0186	200	Pass
Red	A	APC-Cy7	196	39.35	548	11	0.0035	1038	Pass
Violet	B	DAPI	102	90.70	483	18	0.0358	4501	Pass
Violet	A	AmCyan	165	76.84	534	20	0.0154	7914	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	59.64	47.71 - 71.57	N/A	N/A	-29.94	-29.47	1.21
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.47
Red	14.94	13.20 - 19.80	N/A	N/A	28.57	28.97	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 12122

Fluidics

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

Comments