

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: 01/18/2016 09:55 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
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	124733	-1	3.60	124812	3.61
Blue	F	SSC	125000	124779	-1	2.76	125661	2.69
Blue	E	FITC	19512	18551	-5	3.82	438	21.87
Blue	D	PE	34487	33827	-2	3.79	669	18.17
Blue	B	PE-Cy5	58285	57656	-2	5.38	1139	30.89
Blue	A	PE-Cy7	46791	46947	0	7.27	601	58.17
Red	C	APC	58704	58922	0	4.16	1400	17.27
Red	A	APC-Cy7	53810	52319	-3	5.13	819	18.63
Violet	B	DAPI	11790	11286	-5	4.85	761	15.12
Violet	A	AmCyan	45340	45062	-1	4.72	1401	11.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16908	11.48	587	-3	N/A	N/A	Pass
Blue	F	SSC	61879	2.60	421	0	N/A	N/A	Pass
Blue	E	FITC	82	70.23	474	0	0.0161	273	Pass
Blue	D	PE	169	54.03	519	2	0.1336	330	Pass
Blue	B	PE-Cy5	231	74.59	686	9	0.0046	120	Pass
Blue	A	PE-Cy7	110	163.66	739	11	0.0063	56	Pass
Red	C	APC	394	34.49	708	3	0.0171	207	Pass
Red	A	APC-Cy7	196	43.13	561	0	0.0030	1228	Pass
Violet	B	DAPI	101	87.92	488	11	0.0420	4822	Pass
Violet	A	AmCyan	171	53.82	543	16	0.0148	3020	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	-30.11	-29.90	1.18
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.44
Red	17.37	13.20 - 19.80	N/A	N/A	29.12	29.52	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10526

Fluidics

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

Comments