

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: 06/06/2016 10:00 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	124035	-1	1.32	124246	1.31
Blue	F	SSC	125000	123991	-1	1.90	124908	1.86
Blue	E	FITC	19512	18823	-4	2.41	450	21.54
Blue	D	PE	34487	33584	-3	1.61	665	15.46
Blue	B	PE-Cy5	58285	57564	-2	3.93	1163	25.53
Blue	A	PE-Cy7	46791	45316	-4	6.05	621	42.58
Red	C	APC	58704	59266	0	2.93	1411	17.26
Red	A	APC-Cy7	53810	51665	-4	3.77	850	17.98
Violet	B	DAPI	11790	11132	-6	2.97	774	12.61
Violet	A	AmCyan	45340	43959	-4	2.58	1377	10.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16705	5.65	587	-3	N/A	N/A	Pass
Blue	F	SSC	61147	1.82	414	-7	N/A	N/A	Pass
Blue	E	FITC	79	86.09	457	-17	0.0208	872	Pass
Blue	D	PE	167	46.76	499	-18	0.1776	303	Pass
Blue	B	PE-Cy5	242	65.89	656	-21	0.0069	283	Pass
Blue	A	PE-Cy7	123	111.20	695	-33	0.0108	47	Pass
Red	C	APC	395	33.25	712	7	0.0157	82	Pass
Red	A	APC-Cy7	206	42.24	563	2	0.0030	1428	Pass
Violet	B	DAPI	102	74.13	463	-14	0.0539	4455	Pass
Violet	A	AmCyan	163	59.75	516	-11	0.0190	5159	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)

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: 06/06/2016 10:00 AM
Cytometer Baseline: 12/15/2015 01:27 PM
P/F: Pass

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	59.59	47.71 - 71.57	N/A	N/A	-28.99	-28.74	1.22
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.28
Red	16.92	12.75 - 19.13	N/A	N/A	29.42	29.53	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 11447

Fluidics

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

Comments