

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: 08/01/2016 09:29 AM
Cytometer Baseline: 12/15/2015 01:27 PM (Expired)
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	125492	0	1.73	125644	1.75
Blue	F	SSC	125000	123241	-2	2.43	124212	2.45
Blue	E	FITC	19512	18657	-5	2.42	448	19.73
Blue	D	PE	34487	33711	-3	1.57	672	14.71
Blue	B	PE-Cy5	58285	57875	-1	4.05	1150	25.45
Blue	A	PE-Cy7	46791	46479	-1	5.83	615	42.62
Red	C	APC	58704	59375	1	2.98	1423	18.23
Red	A	APC-Cy7	53810	53602	-1	3.34	827	20.28
Violet	B	DAPI	11790	11164	-6	3.60	766	13.76
Violet	A	AmCyan	45340	44652	-2	3.64	1401	11.58

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18562	5.70	577	-13	N/A	N/A	Pass
Blue	F	SSC	60795	2.54	409	-12	N/A	N/A	Pass
Blue	E	FITC	82	74.13	455	-19	0.0236	682	Pass
Blue	D	PE	169	43.80	497	-20	0.1894	275	Pass
Blue	B	PE-Cy5	243	63.21	655	-22	0.0069	215	Pass
Blue	A	PE-Cy7	125	108.93	694	-34	0.0112	43	Pass
Red	C	APC	399	35.98	725	20	0.0142	133	Pass
Red	A	APC-Cy7	197	46.50	573	12	0.0023	854	Pass
Violet	B	DAPI	98	83.50	471	-6	0.0468	4592	Pass
Violet	A	AmCyan	171	63.40	524	-3	0.0193	6573	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	-29.06	-28.82	1.13
Blue	20.24	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.28
Red	14.80	12.75 - 19.13	N/A	N/A	29.40	29.79	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9841

Fluidics

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

Comments