

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: 11/16/2015 11:02 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	123847	-1	2.85	123950	2.81
Blue	F	SSC	125000	124283	-1	2.98	125250	2.92
Blue	E	FITC	20752	19754	-5	3.47	473	20.72
Blue	D	PE	34971	33965	-3	2.78	677	17.05
Blue	B	PE-Cy5	59521	57888	-3	4.73	1157	28.03
Blue	A	PE-Cy7	45673	45006	-2	7.18	580	51.05
Red	C	APC	57794	57550	-1	2.93	1376	16.52
Red	A	APC-Cy7	53499	52330	-3	4.14	804	17.81
Violet	B	DAPI	11638	11107	-5	3.79	746	12.58
Violet	A	AmCyan	43958	42480	-4	3.35	1334	9.74

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16955	10.83	587	14	N/A	N/A	Pass
Blue	F	SSC	61076	3.05	418	8	N/A	N/A	Pass
Blue	E	FITC	88	69.84	471	5	0.0189	385	Pass
Blue	D	PE	171	51.95	511	9	0.1575	373	Pass
Blue	B	PE-Cy5	236	67.22	659	21	0.0055	110	Pass
Blue	A	PE-Cy7	110	138.38	711	35	0.0081	49	Pass
Red	C	APC	385	32.53	697	10	0.0177	139	Pass
Red	A	APC-Cy7	193	40.77	552	15	0.0032	944	Pass
Violet	B	DAPI	98	73.21	468	3	0.0608	4529	Pass
Violet	A	AmCyan	163	40.94	517	3	0.0201	1956	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	59.59	47.71 - 71.57	N/A	N/A	-29.75	-29.45	1.22
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.47
Red	15.37	13.20 - 19.80	N/A	N/A	28.60	28.93	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 12241

Fluidics

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

Comments