

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: 09/14/2015 09:46 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	121757	-3	2.28	122072	2.25
Blue	F	SSC	125000	120888	-4	2.84	121858	2.86
Blue	E	FITC	20752	19692	-6	3.19	478	22.67
Blue	D	PE	34971	34129	-3	2.29	675	17.01
Blue	B	PE-Cy5	59521	56881	-5	4.57	1131	27.04
Blue	A	PE-Cy7	45673	44053	-4	7.29	582	46.56
Red	C	APC	57794	57797	0	2.84	1364	17.06
Red	A	APC-Cy7	53499	52401	-3	3.53	838	17.30
Violet	B	DAPI	11638	11099	-5	4.04	829	14.74
Violet	A	AmCyan	43958	43181	-2	3.58	1348	14.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15494	10.00	576	3	N/A	N/A	Pass
Blue	F	SSC	60762	2.41	414	4	N/A	N/A	Pass
Blue	E	FITC	83	91.04	466	0	0.0185	873	Pass
Blue	D	PE	168	52.86	505	3	0.1569	365	Pass
Blue	B	PE-Cy5	235	68.14	645	7	0.0062	226	Pass
Blue	A	PE-Cy7	114	123.55	692	16	0.0095	50	Pass
Red	C	APC	381	33.31	699	12	0.0165	108	Pass
Red	A	APC-Cy7	200	40.19	547	10	0.0032	1080	Pass
Violet	B	DAPI	113	86.49	488	23	0.0421	6215	Pass
Violet	A	AmCyan	168	82.94	542	28	0.0136	8662	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	-29.98	-29.75	1.18
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.46
Red	15.10	13.20 - 19.80	N/A	N/A	28.88	29.02	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9844

Fluidics

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

Comments