

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: 12/07/2015 10:37 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	122703	-2	2.92	123033	2.89
Blue	F	SSC	125000	118487	-6	2.67	119292	2.66
Blue	E	FITC	20752	19588	-6	3.32	474	20.47
Blue	D	PE	34971	33843	-4	2.77	664	17.23
Blue	B	PE-Cy5	59521	58003	-3	5.08	1173	28.88
Blue	A	PE-Cy7	45673	45533	-1	7.86	658	51.50
Red	C	APC	57794	57150	-2	3.57	1355	17.01
Red	A	APC-Cy7	53499	52610	-2	5.26	934	17.71
Violet	B	DAPI	11638	10781	-8	3.91	807	12.44
Violet	A	AmCyan	43958	42842	-3	3.56	1313	10.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15246	13.66	584	11	N/A	N/A	Pass
Blue	F	SSC	59263	2.29	414	4	N/A	N/A	Pass
Blue	E	FITC	83	72.83	469	3	0.0190	366	Pass
Blue	D	PE	166	52.02	511	9	0.1452	308	Pass
Blue	B	PE-Cy5	250	68.96	666	28	0.0052	156	Pass
Blue	A	PE-Cy7	129	138.26	726	50	0.0072	64	Pass
Red	C	APC	385	32.39	702	15	0.0166	89	Pass
Red	A	APC-Cy7	230	39.74	562	25	0.0029	1362	Pass
Violet	B	DAPI	109	67.82	471	6	0.0489	4045	Pass
Violet	A	AmCyan	164	49.42	525	11	0.0188	3291	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	-30.03	-29.64	1.17
Blue	20.25	16.21 - 24.31	1.38	1.14 - 1.70	0.00	0.00	1.46
Red	15.94	13.20 - 19.80	N/A	N/A	28.92	29.14	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9898

Fluidics

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

Comments