

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: 11/23/2015 10:01 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	122730	-2	3.31	123125	3.30
Blue	F	SSC	125000	121610	-3	3.13	122445	3.07
Blue	E	FITC	20752	19662	-6	3.44	476	22.67
Blue	D	PE	34971	33830	-4	2.84	670	18.05
Blue	B	PE-Cy5	59521	57557	-4	4.85	1146	28.45
Blue	A	PE-Cy7	45673	44214	-4	7.06	581	51.65
Red	C	APC	57794	57977	0	3.27	1382	16.47
Red	A	APC-Cy7	53499	52509	-2	4.45	843	16.94
Violet	B	DAPI	11638	11002	-6	3.59	785	13.34
Violet	A	AmCyan	43958	42967	-3	3.31	1329	11.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15809	12.40	583	10	N/A	N/A	Pass
Blue	F	SSC	60993	2.89	414	4	N/A	N/A	Pass
Blue	E	FITC	84	84.35	470	4	0.0166	601	Pass
Blue	D	PE	169	54.96	510	8	0.1366	353	Pass
Blue	B	PE-Cy5	237	70.04	660	22	0.0054	174	Pass
Blue	A	PE-Cy7	110	142.41	713	37	0.0078	58	Pass
Red	C	APC	390	31.64	696	9	0.0177	99	Pass
Red	A	APC-Cy7	203	39.88	549	12	0.0036	1498	Pass
Violet	B	DAPI	109	70.14	473	8	0.0388	3230	Pass
Violet	A	AmCyan	166	54.68	524	10	0.0158	3554	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	59.64	47.71 - 71.57	N/A	N/A	-30.88	-29.94	1.18
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.46
Red	17.68	13.20 - 19.80	N/A	N/A	28.60	29.42	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9765

Fluidics

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

Comments