

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: 07/15/2015 10:05 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	123822	-1	1.86	123939	1.86
Blue	F	SSC	125000	124299	-1	2.50	125274	2.46
Blue	E	FITC	20752	19912	-5	3.11	475	22.10
Blue	D	PE	34971	34376	-2	2.25	682	17.01
Blue	B	PE-Cy5	59521	58707	-2	4.28	1174	25.74
Blue	A	PE-Cy7	45673	45149	-2	7.16	595	45.25
Red	C	APC	57794	57693	-1	2.49	1395	15.93
Red	A	APC-Cy7	53499	53579	0	3.40	841	16.54
Violet	B	DAPI	11638	11150	-5	2.96	751	12.40
Violet	A	AmCyan	43958	42547	-4	2.50	1339	9.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17081	8.07	574	1	N/A	N/A	Pass
Blue	F	SSC	60631	2.39	410	0	N/A	N/A	Pass
Blue	E	FITC	88	84.01	464	-2	0.0200	869	Pass
Blue	D	PE	171	52.40	502	0	0.1557	364	Pass
Blue	B	PE-Cy5	243	63.80	644	6	0.0067	188	Pass
Blue	A	PE-Cy7	120	113.70	688	12	0.0099	35	Pass
Red	C	APC	391	30.95	692	5	0.0185	107	Pass
Red	A	APC-Cy7	198	40.02	543	6	0.0037	1468	Pass
Violet	B	DAPI	100	71.86	463	-2	0.0573	4191	Pass
Violet	A	AmCyan	163	49.05	512	-2	0.0208	3674	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	-30.00	-29.66	1.23
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.48
Red	15.84	13.20 - 19.80	N/A	N/A	28.69	29.02	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10436

Fluidics

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

Comments