

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: 06/22/2015 04:41 PM
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	123495	-2	2.20	123525	2.22
Blue	F	SSC	125000	124122	-1	2.95	125039	2.99
Blue	E	FITC	20752	19850	-5	3.20	470	20.98
Blue	D	PE	34971	34388	-2	2.48	683	16.37
Blue	B	PE-Cy5	59521	58579	-2	4.14	1186	24.77
Blue	A	PE-Cy7	45673	45020	-2	7.07	591	42.62
Red	C	APC	57794	57685	-1	2.57	1382	15.73
Red	A	APC-Cy7	53499	52701	-2	3.44	816	15.98
Violet	B	DAPI	11638	11157	-5	3.02	758	12.47
Violet	A	AmCyan	43958	42534	-4	2.51	1343	10.02

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19125	8.34	574	1	N/A	N/A	Pass
Blue	F	SSC	60707	2.99	410	0	N/A	N/A	Pass
Blue	E	FITC	85	79.24	465	-1	0.0214	707	Pass
Blue	D	PE	173	49.42	503	1	0.1645	336	Pass
Blue	B	PE-Cy5	241	60.03	640	2	0.0070	121	Pass
Blue	A	PE-Cy7	122	105.39	679	3	0.0112	35	Pass
Red	C	APC	387	31.34	690	3	0.0198	171	Pass
Red	A	APC-Cy7	194	38.23	538	1	0.0041	1342	Pass
Violet	B	DAPI	100	72.32	462	-3	0.0547	4064	Pass
Violet	A	AmCyan	161	49.42	511	-3	0.0200	3477	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	-29.92	-29.58	1.23
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.48
Red	15.93	13.20 - 19.80	N/A	N/A	28.45	28.86	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9506

Fluidics

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

Comments