

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: 05/02/2017 09:39 AM
Cytometer Baseline: 04/25/2017 01:08 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82950 **Expiration Date:** 03/31/2016 (Expired)
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	124590	-1	1.31	124735	1.32
Blue	F	SSC	125000	122539	-2	1.87	123344	1.90
Blue	E	FITC	19946	19496	-3	2.44	476	16.07
Blue	D	PE	36078	35520	-2	1.74	707	12.66
Blue	B	PE-Cy5	61463	60049	-3	3.47	1201	20.01
Blue	A	PE-Cy7	46858	45784	-3	4.86	617	31.85
Red	C	APC	66849	66117	-2	2.65	1591	15.34
Red	A	APC-Cy7	60738	59042	-3	2.73	950	14.95
Violet	B	DAPI	12064	11705	-3	2.41	853	10.05
Violet	A	AmCyan	48342	47319	-3	2.17	1477	8.12

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16002	3.85	537	-21	N/A	N/A	Pass
Blue	F	SSC	61142	1.76	388	-6	N/A	N/A	Pass
Blue	E	FITC	85	56.24	439	-10	0.0312	280	Pass
Blue	D	PE	178	39.21	479	-11	0.3052	373	Pass
Blue	B	PE-Cy5	255	46.28	617	-14	0.0108	75	Pass
Blue	A	PE-Cy7	126	75.85	635	-14	0.0188	12	Pass
Red	C	APC	452	28.77	685	-5	0.0199	51	Pass
Red	A	APC-Cy7	228	35.09	531	-6	0.0043	1138	Pass
Violet	B	DAPI	114	53.31	440	0	0.0653	2735	Pass
Violet	A	AmCyan	182	36.54	494	1	0.0311	2567	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	59.80	47.71 - 71.57	N/A	N/A	-30.14	-29.94	1.29
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.47
Red	19.81 (1)	11.71 - 17.57	N/A	N/A	28.81	29.12	1.35

(1) Red Laser power is out of the specification range.

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9735

Fluidics

FACSFlow Pressure: 4.50
Spec.: 4.40 - 4.60

Sample Pressure: 4.30

Comments