

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: 05/29/2017 09:12 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	123084	-2	1.47	123201	1.44
Blue	F	SSC	125000	123618	-2	1.64	124439	1.58
Blue	E	FITC	19946	19464	-3	2.73	471	18.59
Blue	D	PE	36078	35123	-3	2.22	701	14.34
Blue	B	PE-Cy5	61463	60264	-2	4.19	1213	22.74
Blue	A	PE-Cy7	46858	46885	0	5.68	630	36.30
Red	C	APC	66849	66534	-1	2.75	1597	15.56
Red	A	APC-Cy7	60738	59941	-2	2.65	974	15.14
Violet	B	DAPI	12064	11658	-4	2.78	816	10.96
Violet	A	AmCyan	48342	47565	-2	2.65	1493	9.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16922	5.77	565	7	N/A	N/A	Pass
Blue	F	SSC	60398	1.54	397	3	N/A	N/A	Pass
Blue	E	FITC	86	66.72	453	4	0.0247	506	Pass
Blue	D	PE	177	42.19	494	4	0.2015	273	Pass
Blue	B	PE-Cy5	246	55.49	637	6	0.0084	134	Pass
Blue	A	PE-Cy7	124	87.92	658	9	0.0145	13	Pass
Red	C	APC	453	29.38	687	-3	0.0195	67	Pass
Red	A	APC-Cy7	234	35.34	537	0	0.0042	1118	Pass
Violet	B	DAPI	107	65.30	443	3	0.0826	5289	Pass
Violet	A	AmCyan	182	49.07	497	4	0.0305	5846	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	-30.12	-29.99	1.28
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.44
Red	19.78	14.79 - 22.19	N/A	N/A	28.81	29.09	1.36

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10069

Fluidics

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

Comments