

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: 02/27/2017 09:34 AM
Cytometer Baseline: 01/04/2017 03:58 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	123998	-1	3.53	124326	3.47
Blue	F	SSC	125000	121344	-3	4.27	122173	4.38
Blue	E	FITC	20501	19611	-5	2.94	479	22.77
Blue	D	PE	34373	33596	-3	1.96	664	17.73
Blue	B	PE-Cy5	59337	58639	-2	4.95	1166	30.28
Blue	A	PE-Cy7	48989	48054	-2	7.82	642	52.31
Red	C	APC	60194	59908	-1	3.05	1422	18.21
Red	A	APC-Cy7	52685	52198	-1	4.87	855	19.15
Violet	B	DAPI	11362	10761	-6	2.84	792	11.42
Violet	A	AmCyan	47125	45398	-4	2.64	1403	10.12

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14033	15.57	582	-8	N/A	N/A	Pass
Blue	F	SSC	60604	3.89	418	-3	N/A	N/A	Pass
Blue	E	FITC	85	87.95	470	-4	0.0173	775	Pass
Blue	D	PE	168	53.22	512	-2	0.1352	323	Pass
Blue	B	PE-Cy5	245	75.87	678	-1	0.0049	230	Pass
Blue	A	PE-Cy7	127	143.21	725	1	0.0077	70	Pass
Red	C	APC	405	36.09	725	4	0.0146	167	Pass
Red	A	APC-Cy7	209	45.49	573	3	0.0028	1871	Pass
Violet	B	DAPI	106	64.97	460	1	0.0610	4401	Pass
Violet	A	AmCyan	176	49.42	518	4	0.0210	3877	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	-29.62	-29.24	1.20
Blue	20.25	16.21 - 24.31	1.38	1.14 - 1.70	0.00	0.00	1.44
Red	16.65	12.75 - 19.13	N/A	N/A	30.19	30.52	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9682

Fluidics

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

Comments