

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V96300958
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: BDService
Institution: N/A
Software: BD FACSDiva 8.0
Date: 05/18/2016 12:03 PM
Cytometer Baseline: 12/15/2015 01:27 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	124122	-1	1.00	124237	1.01
Blue	F	SSC	125000	124075	-1	1.34	124993	1.34
Blue	E	FITC	19512	18624	-5	2.35	445	18.53
Blue	D	PE	34487	33907	-2	1.56	673	14.49
Blue	B	PE-Cy5	58285	56495	-4	3.89	1138	23.58
Blue	A	PE-Cy7	46791	46529	-1	5.91	619	39.41
Red	C	APC	58704	58845	0	2.87	1419	16.38
Red	A	APC-Cy7	53810	52938	-2	3.82	828	16.71
Violet	B	DAPI	11790	11373	-4	2.75	772	12.35
Violet	A	AmCyan	45340	43808	-4	2.43	1381	9.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17678	4.52	584	-6	N/A	N/A	Pass
Blue	F	SSC	60818	1.38	408	-13	N/A	N/A	Pass
Blue	E	FITC	82	61.58	456	-18	0.0225	249	Pass
Blue	D	PE	169	42.04	498	-19	0.1832	225	Pass
Blue	B	PE-Cy5	236	55.50	648	-29	0.0076	90	Pass
Blue	A	PE-Cy7	126	94.89	685	-43	0.0125	19	Pass
Red	C	APC	397	31.71	698	-7	0.0175	99	Pass
Red	A	APC-Cy7	197	40.43	550	-11	0.0038	1597	Pass
Violet	B	DAPI	101	70.60	466	-11	0.0508	3485	Pass
Violet	A	AmCyan	167	41.90	517	-10	0.0210	2274	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	59.57	47.71 - 71.57	N/A	N/A	-29.63	-29.28	1.21
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.27
Red	15.71	12.75 - 19.13	N/A	N/A	29.65	30.08	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 12040

Fluidics

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

Comments