

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: 10/17/2016 09:39 AM
Cytometer Baseline: 12/15/2015 01:27 PM (Expired)
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	125347	0	2.19	125469	2.21
Blue	F	SSC	125000	123074	-2	3.45	123953	3.45
Blue	E	FITC	19512	18660	-5	2.56	449	22.74
Blue	D	PE	34487	33773	-3	1.73	671	15.78
Blue	B	PE-Cy5	58285	57734	-1	4.17	1151	26.71
Blue	A	PE-Cy7	46791	45972	-2	6.10	619	46.16
Red	C	APC	58704	59492	1	3.01	1414	18.65
Red	A	APC-Cy7	53810	53653	-1	3.58	867	20.27
Violet	B	DAPI	11790	11289	-5	3.36	781	13.56
Violet	A	AmCyan	45340	44401	-3	3.36	1381	11.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18263	5.65	587	-3	N/A	N/A	Pass
Blue	F	SSC	61212	3.13	412	-9	N/A	N/A	Pass
Blue	E	FITC	81	92.66	460	-14	0.0206	1191	Pass
Blue	D	PE	169	49.05	504	-13	0.1893	394	Pass
Blue	B	PE-Cy5	243	69.86	665	-12	0.0065	339	Pass
Blue	A	PE-Cy7	125	122.54	706	-22	0.0096	60	Pass
Red	C	APC	398	36.31	729	24	0.0134	104	Pass
Red	A	APC-Cy7	209	47.77	579	18	0.0023	1396	Pass
Violet	B	DAPI	101	81.46	474	-3	0.0476	4664	Pass
Violet	A	AmCyan	171	66.43	526	-1	0.0183	7048	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	59.82	47.71 - 71.57	N/A	N/A	-28.90	-28.59	1.12
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.28
Red	14.41	12.75 - 19.13	N/A	N/A	29.32	29.65	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9512

Fluidics

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

Comments