

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: 07/25/2016 09:10 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	125413	0	1.56	125599	1.58
Blue	F	SSC	125000	124132	-1	2.61	124935	2.59
Blue	E	FITC	19512	18610	-5	2.39	454	21.30
Blue	D	PE	34487	33823	-2	1.67	671	15.25
Blue	B	PE-Cy5	58285	57712	-1	4.03	1142	25.40
Blue	A	PE-Cy7	46791	46939	0	5.93	624	43.14
Red	C	APC	58704	59447	1	2.99	1416	17.96
Red	A	APC-Cy7	53810	52686	-3	3.46	843	18.79
Violet	B	DAPI	11790	11281	-5	3.19	808	12.61
Violet	A	AmCyan	45340	44659	-2	3.14	1386	11.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17107	5.67	580	-10	N/A	N/A	Pass
Blue	F	SSC	61935	2.61	409	-12	N/A	N/A	Pass
Blue	E	FITC	79	86.09	455	-19	0.0209	893	Pass
Blue	D	PE	168	47.17	498	-19	0.1974	364	Pass
Blue	B	PE-Cy5	245	65.64	655	-22	0.0073	332	Pass
Blue	A	PE-Cy7	127	109.71	696	-32	0.0108	43	Pass
Red	C	APC	400	35.65	722	17	0.0149	163	Pass
Red	A	APC-Cy7	204	45.16	569	8	0.0028	1674	Pass
Violet	B	DAPI	110	72.62	471	-6	0.0562	5148	Pass
Violet	A	AmCyan	174	59.30	524	-3	0.0187	5613	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	-29.05	-28.85	1.13
Blue	20.24	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.28
Red	15.00	12.75 - 19.13	N/A	N/A	29.60	29.88	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 9874

Fluidics

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

Comments