

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: 08/29/2016 10:10 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	125731	0	1.63	125965	1.65
Blue	F	SSC	125000	122617	-2	3.32	123566	3.29
Blue	E	FITC	19512	18818	-4	2.47	459	20.71
Blue	D	PE	34487	33531	-3	1.67	665	15.43
Blue	B	PE-Cy5	58285	57426	-2	4.05	1133	25.83
Blue	A	PE-Cy7	46791	46893	0	5.71	618	44.29
Red	C	APC	58704	59669	1	3.08	1421	18.78
Red	A	APC-Cy7	53810	53083	-2	3.23	828	19.66
Violet	B	DAPI	11790	11345	-4	2.96	808	12.54
Violet	A	AmCyan	45340	44664	-2	2.81	1384	11.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17093	6.85	583	-7	N/A	N/A	Pass
Blue	F	SSC	61152	2.96	409	-12	N/A	N/A	Pass
Blue	E	FITC	82	81.08	456	-18	0.0218	830	Pass
Blue	D	PE	167	46.40	498	-19	0.1781	303	Pass
Blue	B	PE-Cy5	242	65.11	656	-21	0.0069	260	Pass
Blue	A	PE-Cy7	125	111.95	696	-32	0.0103	38	Pass
Red	C	APC	398	36.96	730	25	0.0133	124	Pass
Red	A	APC-Cy7	196	47.66	574	13	0.0026	1502	Pass
Violet	B	DAPI	108	73.37	472	-5	0.0558	4992	Pass
Violet	A	AmCyan	170	58.52	525	-2	0.0181	4911	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	-28.94	-28.61	1.12
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.28
Red	14.51	12.75 - 19.13	N/A	N/A	29.23	29.59	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 10967

Fluidics

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

Comments