

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: 06/13/2016 09:33 AM
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	124097	-1	1.36	124358	1.35
Blue	F	SSC	125000	122046	-3	1.87	122871	1.79
Blue	E	FITC	19512	18490	-6	2.39	445	18.69
Blue	D	PE	34487	33373	-4	1.59	659	14.63
Blue	B	PE-Cy5	58285	56672	-3	3.89	1138	24.10
Blue	A	PE-Cy7	46791	46119	-2	5.73	635	41.08
Red	C	APC	58704	58903	0	2.78	1399	16.57
Red	A	APC-Cy7	53810	52249	-3	3.37	865	17.59
Violet	B	DAPI	11790	11301	-5	2.57	797	12.15
Violet	A	AmCyan	45340	43896	-4	2.20	1376	9.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16409	6.41	587	-3	N/A	N/A	Pass
Blue	F	SSC	60437	1.76	408	-13	N/A	N/A	Pass
Blue	E	FITC	80	65.89	455	-19	0.0232	366	Pass
Blue	D	PE	165	43.34	496	-21	0.1903	257	Pass
Blue	B	PE-Cy5	242	56.96	651	-26	0.0074	123	Pass
Blue	A	PE-Cy7	130	101.75	693	-35	0.0113	32	Pass
Red	C	APC	392	32.45	702	-3	0.0175	124	Pass
Red	A	APC-Cy7	210	39.59	557	-4	0.0029	841	Pass
Violet	B	DAPI	104	69.08	465	-12	0.0479	3332	Pass
Violet	A	AmCyan	167	45.21	517	-10	0.0198	2665	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	-29.37	-29.23	1.19
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.28
Red	17.14	12.75 - 19.13	N/A	N/A	29.59	29.91	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 10534

Fluidics

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

Comments