

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: 03/30/2015 09:47 AM
Cytometer Baseline: 03/02/2015 10:16 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 24628 **Expiration Date:** 08/31/2015
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	124809	-1	1.20	124935	1.18
Blue	F	SSC	125000	122848	-2	1.58	123498	1.53
Blue	E	FITC	19605	18723	-5	2.60	429	20.45
Blue	D	PE	34814	33995	-3	1.76	769	14.26
Blue	B	PE-Cy5	54892	53850	-2	3.65	2002	17.86
Blue	A	PE-Cy7	46343	46482	0	6.91	1475	26.17
Red	C	APC	53666	53678	0	2.63	2063	12.80
Red	A	APC-Cy7	51403	50920	-1	3.36	2262	9.63
Violet	B	DAPI	11521	11082	-4	2.36	790	11.66
Violet	A	AmCyan	44635	44274	-1	1.91	1141	11.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16073	7.69	569	-10	N/A	N/A	Pass
Blue	F	SSC	61562	1.48	407	-3	N/A	N/A	Pass
Blue	E	FITC	84	72.83	458	-3	0.0234	656	Pass
Blue	D	PE	176	46.10	498	-1	0.1785	314	Pass
Blue	B	PE-Cy5	270	52.66	632	1	0.0081	107	Pass
Blue	A	PE-Cy7	164	85.48	676	10	0.0134	27	Pass
Red	C	APC	407	30.38	688	3	0.0208	147	Pass
Red	A	APC-Cy7	257	31.51	534	4	0.0042	957	Pass
Violet	B	DAPI	124	58.74	467	-3	0.0657	4738	Pass
Violet	A	AmCyan	184	45.33	523	0	0.0196	3007	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	59.62	47.71 - 71.57	N/A	N/A	-30.08	-29.80	1.17
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.48
Red	17.60	13.20 - 19.80	N/A	N/A	28.89	29.24	1.25

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9538

Fluidics

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

Comments