

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: 11/06/2017 09:16 AM
Cytometer Baseline: 10/23/2017 09:39 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 70106 **Expiration Date:** 01/31/2018
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	123419	-2	2.57	123603	2.62
Blue	F	SSC	125000	123160	-2	4.04	124219	4.10
Blue	E	FITC	18535	18106	-3	3.48	498	17.07
Blue	D	PE	29708	28591	-4	3.09	774	11.56
Blue	B	PE-Cy5	70430	69861	-1	3.40	1625	17.22
Blue	A	PE-Cy7	70607	69244	-2	4.20	925	26.36
Red	C	APC	76673	76062	-1	2.42	2435	11.10
Red	A	APC-Cy7	78803	76630	-3	3.52	1388	10.66
Violet	B	DAPI	11434	11201	-3	3.43	789	10.78
Violet	A	AmCyan	43596	43120	-2	3.44	1260	9.57

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19045	9.85	535	-1	N/A	N/A	Pass
Blue	F	SSC	57415	4.05	385	0	N/A	N/A	Pass
Blue	E	FITC	74	72.62	439	-1	0.0276	465	Pass
Blue	D	PE	131	47.72	471	-2	0.2719	355	Pass
Blue	B	PE-Cy5	247	47.91	609	0	0.0103	108	Pass
Blue	A	PE-Cy7	148	69.59	631	-2	0.0199	8	Pass
Red	C	APC	505	24.58	663	-4	0.0247	112	Pass
Red	A	APC-Cy7	240	28.34	509	-6	0.0057	1161	Pass
Violet	B	DAPI	99	66.09	441	-1	0.0975	5379	Pass
Violet	A	AmCyan	154	49.42	489	-1	0.0309	4812	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	-30.24	-29.99	1.20
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.51
Red	18.36	12.40 - 18.60	N/A	N/A	27.88	28.24	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9565

Fluidics

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

Comments