

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: 10/16/2017 10:26 AM
Cytometer Baseline: 10/12/2017 07:02 PM
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	123930	-1	3.44	124091	3.60
Blue	F	SSC	125000	120369	-4	4.66	121620	4.80
Blue	E	FITC	19028	18360	-4	4.01	509	18.09
Blue	D	PE	34045	32868	-4	3.71	893	12.59
Blue	B	PE-Cy5	81284	79635	-3	3.80	1835	18.38
Blue	A	PE-Cy7	76914	75372	-3	4.47	992	27.88
Red	C	APC	81318	81434	0	2.66	2606	11.53
Red	A	APC-Cy7	87894	87280	-1	2.41	1557	10.85
Violet	B	DAPI	11615	11226	-4	2.40	783	10.70
Violet	A	AmCyan	43958	43535	-1	1.86	1275	8.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21406	7.72	551	15	N/A	N/A	Pass
Blue	F	SSC	55537	4.80	391	6	N/A	N/A	Pass
Blue	E	FITC	75	71.16	449	11	0.0223	306	Pass
Blue	D	PE	153	48.44	489	11	0.2032	275	Pass
Blue	B	PE-Cy5	276	50.51	632	15	0.0090	81	Pass
Blue	A	PE-Cy7	157	74.13	651	16	0.0181	12	Pass
Red	C	APC	544	24.53	674	-12	0.0223	26	Pass
Red	A	APC-Cy7	269	29.21	522	-10	0.0051	1025	Pass
Violet	B	DAPI	98	61.47	440	0	0.0650	2798	Pass
Violet	A	AmCyan	154	45.17	489	1	0.0299	3528	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)

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: 10/16/2017 10:26 AM
Cytometer Baseline: 10/12/2017 07:02 PM
P/F: Pass

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	59.80	47.71 - 71.57	N/A	N/A	-30.00	-29.83	1.20
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	17.57	12.40 - 18.60	N/A	N/A	27.68	27.96	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9742

Fluidics

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

Comments