

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: 01/08/2018 09:24 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	124057	-1	2.81	124145	2.81
Blue	F	SSC	125000	122765	-2	4.76	124028	4.67
Blue	E	FITC	18535	18031	-3	4.06	499	17.31
Blue	D	PE	29708	28781	-4	3.80	782	11.62
Blue	B	PE-Cy5	70430	68401	-3	3.66	1582	17.24
Blue	A	PE-Cy7	70607	69430	-2	4.24	938	25.77
Red	C	APC	76673	76388	-1	2.87	2448	11.27
Red	A	APC-Cy7	78803	77060	-3	4.23	1372	11.49
Violet	B	DAPI	11434	11159	-3	2.31	778	10.49
Violet	A	AmCyan	43596	42954	-2	1.93	1257	9.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19539	4.81	531	-5	N/A	N/A	Pass
Blue	F	SSC	57148	4.88	385	0	N/A	N/A	Pass
Blue	E	FITC	74	74.13	437	-3	0.0279	549	Pass
Blue	D	PE	133	48.31	470	-3	0.3025	430	Pass
Blue	B	PE-Cy5	243	48.21	607	-2	0.0105	131	Pass
Blue	A	PE-Cy7	149	69.68	631	-2	0.0209	17	Pass
Red	C	APC	508	25.23	666	-1	0.0246	156	Pass
Red	A	APC-Cy7	235	29.32	513	-2	0.0050	726	Pass
Violet	B	DAPI	97	64.86	439	-3	0.0894	4564	Pass
Violet	A	AmCyan	151	53.80	487	-3	0.0275	5130	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	47.84 - 71.76	N/A	N/A	-29.96	-29.79	1.22
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.50
Red	18.71	13.43 - 20.15	N/A	N/A	27.69	28.06	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9539

Fluidics

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

Comments