

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: 01/22/2018 09:07 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	124835	-1	3.14	124881	3.22
Blue	F	SSC	125000	124373	-1	4.75	125445	4.80
Blue	E	FITC	18535	18012	-3	4.25	495	16.92
Blue	D	PE	29708	28944	-3	4.01	784	12.10
Blue	B	PE-Cy5	70430	70648	0	3.80	1636	17.54
Blue	A	PE-Cy7	70607	70036	-1	4.35	933	27.19
Red	C	APC	76673	76840	0	2.83	2459	11.26
Red	A	APC-Cy7	78803	77662	-2	3.98	1387	11.33
Violet	B	DAPI	11434	11207	-2	2.25	787	11.15
Violet	A	AmCyan	43596	43152	-2	1.89	1262	10.00

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19351	3.73	541	5	N/A	N/A	Pass
Blue	F	SSC	57668	4.74	389	4	N/A	N/A	Pass
Blue	E	FITC	72	66.57	442	2	0.0261	236	Pass
Blue	D	PE	134	49.42	476	3	0.2684	400	Pass
Blue	B	PE-Cy5	248	48.83	615	6	0.0101	114	Pass
Blue	A	PE-Cy7	148	74.13	639	6	0.0190	21	Pass
Red	C	APC	508	25.48	667	0	0.0248	179	Pass
Red	A	APC-Cy7	238	30.48	514	-1	0.0052	1385	Pass
Violet	B	DAPI	98	66.72	439	-3	0.0637	3422	Pass
Violet	A	AmCyan	153	57.39	487	-3	0.0273	6039	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	-30.20	-29.72	1.23
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.49
Red	18.60	13.43 - 20.15	N/A	N/A	27.45	28.03	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11091

Fluidics

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

Comments