

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: 11/27/2017 09:23 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	124549	-1	2.75	124609	2.77
Blue	F	SSC	125000	122889	-2	4.22	124054	4.25
Blue	E	FITC	18535	17777	-5	3.75	484	17.50
Blue	D	PE	29708	28897	-3	3.45	779	12.02
Blue	B	PE-Cy5	70430	69497	-2	3.54	1615	17.53
Blue	A	PE-Cy7	70607	68713	-3	4.31	929	26.63
Red	C	APC	76673	76441	-1	2.77	2441	11.42
Red	A	APC-Cy7	78803	77270	-2	4.07	1428	11.07
Violet	B	DAPI	11434	11026	-4	2.87	786	10.64
Violet	A	AmCyan	43596	42949	-2	2.82	1251	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	19135	7.60	537	1	N/A	N/A	Pass
Blue	F	SSC	57262	4.33	385	0	N/A	N/A	Pass
Blue	E	FITC	70	75.71	439	-1	0.0268	469	Pass
Blue	D	PE	132	48.86	473	0	0.2485	340	Pass
Blue	B	PE-Cy5	248	50.32	611	2	0.0101	175	Pass
Blue	A	PE-Cy7	148	70.39	634	1	0.0193	10	Pass
Red	C	APC	508	24.71	665	-2	0.0233	67	Pass
Red	A	APC-Cy7	247	28.54	512	-3	0.0052	1013	Pass
Violet	B	DAPI	98	63.28	440	-2	0.0765	3736	Pass
Violet	A	AmCyan	151	51.77	489	-1	0.0285	4773	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	-30.19	-29.97	1.20
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.50
Red	18.18	12.40 - 18.60	N/A	N/A	27.94	28.22	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10540

Fluidics

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

Comments