

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: 05/28/2018 09:51 AM
Cytometer Baseline: 10/23/2017 09:39 AM (Expired)
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 70106 **Expiration Date:** 01/31/2018 (Expired)
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	124953	-1	1.16	125125	1.17
Blue	F	SSC	125000	123713	-2	2.60	124932	2.60
Blue	E	FITC	18535	18152	-3	2.62	499	16.72
Blue	D	PE	29708	29038	-3	2.10	787	11.47
Blue	B	PE-Cy5	70430	69541	-2	3.43	1617	17.17
Blue	A	PE-Cy7	70607	68909	-3	5.02	942	26.35
Red	C	APC	76673	76582	-1	2.28	2446	11.39
Red	A	APC-Cy7	78803	77450	-2	3.92	1408	11.15
Violet	B	DAPI	11434	11030	-4	2.47	786	11.30
Violet	A	AmCyan	43596	43309	-1	2.01	1264	10.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18602	4.89	534	-2	N/A	N/A	Pass
Blue	F	SSC	57566	2.54	382	-3	N/A	N/A	Pass
Blue	E	FITC	73	74.13	437	-3	0.0292	529	Pass
Blue	D	PE	135	48.31	470	-3	0.2750	397	Pass
Blue	B	PE-Cy5	246	48.50	608	-1	0.0105	136	Pass
Blue	A	PE-Cy7	149	72.62	630	-3	0.0201	25	Pass
Red	C	APC	507	25.49	669	2	0.0233	125	Pass
Red	A	APC-Cy7	244	30.14	516	1	0.0053	1572	Pass
Violet	B	DAPI	96	71.31	443	1	0.0710	4487	Pass
Violet	A	AmCyan	152	60.49	493	3	0.0267	6646	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	-29.84	-29.46	1.22
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.52
Red	15.50	14.86 - 22.30	N/A	N/A	27.27	27.75	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10094

Fluidics

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

Comments