

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: 08/26/2019 09:25 AM
Cytometer Baseline: 06/24/2019 09:23 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 72518 **Expiration Date:** 09/30/2019
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	125672	0	1.99	125766	1.96
Blue	F	SSC	125000	125460	0	1.72	126404	1.68
Blue	E	FITC	19687	19241	-3	2.42	490	17.09
Blue	D	PE	35036	34841	-1	1.78	774	12.28
Blue	B	PE-Cy5	53922	53388	-1	3.60	1565	17.65
Blue	A	PE-Cy7	41443	40654	-2	5.49	1073	25.73
Red	C	APC	64207	64151	-1	3.29	1811	13.19
Red	A	APC-Cy7	48785	48488	-1	3.16	1749	11.42
Violet	B	DAPI	11947	11623	-3	2.36	782	10.02
Violet	A	AmCyan	48649	48042	-2	2.04	1476	7.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17277	8.10	535	-25	N/A	N/A	Pass
Blue	F	SSC	58602	1.30	385	-11	N/A	N/A	Pass
Blue	E	FITC	74	72.62	436	-12	0.0294	492	Pass
Blue	D	PE	152	45.96	474	-11	0.2722	367	Pass
Blue	B	PE-Cy5	247	49.42	610	-10	0.0107	155	Pass
Blue	A	PE-Cy7	161	72.73	637	-2	0.0187	34	Pass
Red	C	APC	356	30.20	668	-10	0.0234	94	Pass
Red	A	APC-Cy7	256	32.86	534	4	0.0040	1015	Pass
Violet	B	DAPI	98	61.47	437	-13	0.0990	5019	Pass
Violet	A	AmCyan	161	44.26	493	-12	0.0402	4972	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	-29.75	-29.32	1.20
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.53
Red	15.79	12.00 - 18.00	N/A	N/A	27.14	27.65	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9678

Fluidics

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

Comments