

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: 10/14/2019 09:30 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 (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	126027	0	1.61	126119	1.59
Blue	F	SSC	125000	123901	-1	1.47	124690	1.50
Blue	E	FITC	19687	19214	-3	2.44	498	16.32
Blue	D	PE	35036	34548	-2	1.77	772	11.99
Blue	B	PE-Cy5	53922	52386	-3	3.58	1483	17.96
Blue	A	PE-Cy7	41443	40308	-3	5.32	944	25.59
Red	C	APC	64207	63722	-1	3.23	1801	13.23
Red	A	APC-Cy7	48785	47888	-2	2.88	1510	10.87
Violet	B	DAPI	11947	11581	-4	2.41	789	9.81
Violet	A	AmCyan	48649	48028	-2	2.02	1486	8.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15544	8.84	534	-26	N/A	N/A	Pass
Blue	F	SSC	57922	1.16	385	-11	N/A	N/A	Pass
Blue	E	FITC	76	65.23	437	-11	0.0293	296	Pass
Blue	D	PE	152	44.48	475	-10	0.2797	347	Pass
Blue	B	PE-Cy5	228	49.42	606	-14	0.0105	89	Pass
Blue	A	PE-Cy7	137	70.84	623	-16	0.0209	11	Pass
Red	C	APC	350	30.66	671	-7	0.0232	101	Pass
Red	A	APC-Cy7	216	32.54	522	-8	0.0052	972	Pass
Violet	B	DAPI	98	60.40	437	-13	0.1026	4997	Pass
Violet	A	AmCyan	163	45.03	494	-11	0.0354	4698	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	-29.54	-29.31	1.21
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.52
Red	15.50	12.00 - 18.00	N/A	N/A	27.42	27.68	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9875

Fluidics

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

Comments