

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: 12/09/2019 09:15 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	125073	0	1.47	125168	1.48
Blue	F	SSC	125000	124988	-1	1.82	125860	1.82
Blue	E	FITC	19687	19086	-4	2.48	491	16.98
Blue	D	PE	35036	35075	0	1.75	787	12.04
Blue	B	PE-Cy5	53922	53525	-1	3.59	1513	17.75
Blue	A	PE-Cy7	41443	40900	-2	6.06	950	26.37
Red	C	APC	64207	64149	-1	3.18	1819	13.13
Red	A	APC-Cy7	48785	48150	-2	3.89	1498	11.32
Violet	B	DAPI	11947	11611	-3	3.59	802	10.47
Violet	A	AmCyan	48649	48106	-2	3.52	1493	8.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16752	8.18	543	-17	N/A	N/A	Pass
Blue	F	SSC	58394	1.54	387	-9	N/A	N/A	Pass
Blue	E	FITC	76	74.13	441	-7	0.0316	654	Pass
Blue	D	PE	155	45.06	479	-6	0.2820	373	Pass
Blue	B	PE-Cy5	234	50.06	611	-9	0.0110	137	Pass
Blue	A	PE-Cy7	137	74.13	630	-9	0.0201	17	Pass
Red	C	APC	354	30.96	671	-7	0.0238	138	Pass
Red	A	APC-Cy7	209	34.07	522	-8	0.0051	1092	Pass
Violet	B	DAPI	100	61.05	440	-10	0.0839	4297	Pass
Violet	A	AmCyan	166	46.27	497	-8	0.0363	5348	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	59.80	47.84 - 71.76	N/A	N/A	-29.99	-29.76	1.18
Blue	20.25	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.52
Red	17.60	12.80 - 19.20	N/A	N/A	27.86	28.14	1.30

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9834

Fluidics

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

Comments