

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: 09/21/2020 09:25 AM
Cytometer Baseline: 06/24/2019 09:23 AM (Expired)
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	125293	0	1.95	125419	1.95
Blue	F	SSC	125000	122871	-2	1.42	123592	1.36
Blue	E	FITC	19687	19044	-4	2.49	495	16.02
Blue	D	PE	35036	35020	-1	1.79	785	12.43
Blue	B	PE-Cy5	53922	52954	-2	3.53	1493	18.47
Blue	A	PE-Cy7	41443	39961	-4	5.15	929	25.65
Red	C	APC	64207	63280	-2	2.79	1808	13.10
Red	A	APC-Cy7	48785	46882	-4	2.53	1449	10.95
Violet	B	DAPI	11947	11443	-5	2.81	832	9.87
Violet	A	AmCyan	48649	47575	-3	2.48	1480	8.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14328	13.97	543	-17	N/A	N/A	Pass
Blue	F	SSC	57413	1.08	387	-9	N/A	N/A	Pass
Blue	E	FITC	74	63.54	442	-6	0.0299	238	Pass
Blue	D	PE	156	43.61	480	-5	0.2271	256	Pass
Blue	B	PE-Cy5	232	49.75	611	-9	0.0099	67	Pass
Blue	A	PE-Cy7	131	72.41	626	-13	0.0209	12	Pass
Red	C	APC	352	30.54	672	-6	0.0231	104	Pass
Red	A	APC-Cy7	204	32.52	519	-11	0.0050	658	Pass
Violet	B	DAPI	106	56.01	443	-7	0.0790	3811	Pass
Violet	A	AmCyan	167	37.59	505	0	0.0338	2773	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	-29.61	-29.42	1.18
Blue	20.24	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.53
Red	15.52	12.80 - 19.20	N/A	N/A	27.48	27.81	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9656

Fluidics

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

Comments