

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: 02/10/2020 09:16 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	125259	0	1.77	125344	1.79
Blue	F	SSC	125000	124925	-1	1.65	125775	1.64
Blue	E	FITC	19687	19246	-3	2.33	494	16.93
Blue	D	PE	35036	34602	-2	1.64	775	12.26
Blue	B	PE-Cy5	53922	53008	-2	3.51	1500	17.50
Blue	A	PE-Cy7	41443	40826	-2	5.70	947	25.78
Red	C	APC	64207	64253	0	2.29	1830	12.63
Red	A	APC-Cy7	48785	48018	-2	3.50	1499	10.71
Violet	B	DAPI	11947	11566	-4	2.75	782	10.15
Violet	A	AmCyan	48649	48206	-1	2.65	1498	8.36

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17415	8.63	541	-19	N/A	N/A	Pass
Blue	F	SSC	58320	1.31	385	-11	N/A	N/A	Pass
Blue	E	FITC	77	69.77	440	-8	0.0295	482	Pass
Blue	D	PE	152	45.96	477	-8	0.2692	367	Pass
Blue	B	PE-Cy5	232	50.72	609	-11	0.0114	182	Pass
Blue	A	PE-Cy7	137	72.48	628	-11	0.0210	17	Pass
Red	C	APC	359	28.89	664	-14	0.0246	72	Pass
Red	A	APC-Cy7	214	32.03	519	-11	0.0057	1102	Pass
Violet	B	DAPI	97	63.28	437	-13	0.1057	5722	Pass
Violet	A	AmCyan	166	45.54	494	-11	0.0376	5373	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	-30.06	-29.69	1.19
Blue	20.24	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.53
Red	18.55	12.80 - 19.20	N/A	N/A	27.84	28.11	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10317

Fluidics

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

Comments