

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: 08/05/2019 09:12 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	123683	-2	2.65	123695	2.64
Blue	F	SSC	125000	122279	-3	1.83	123177	1.86
Blue	E	FITC	19687	18580	-6	2.40	472	16.74
Blue	D	PE	35036	33821	-4	1.79	748	11.78
Blue	B	PE-Cy5	53922	51800	-4	3.51	1503	17.89
Blue	A	PE-Cy7	41443	39578	-5	5.59	1006	25.83
Red	C	APC	64207	63547	-2	2.93	1793	12.84
Red	A	APC-Cy7	48785	47733	-3	3.01	1669	11.08
Violet	B	DAPI	11947	11706	-3	2.22	773	10.27
Violet	A	AmCyan	48649	48370	-1	1.92	1489	7.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17847	11.93	534	-26	N/A	N/A	Pass
Blue	F	SSC	57086	1.65	384	-12	N/A	N/A	Pass
Blue	E	FITC	74	69.59	434	-14	0.0313	478	Pass
Blue	D	PE	147	45.85	471	-14	0.3469	481	Pass
Blue	B	PE-Cy5	236	48.78	606	-14	0.0103	96	Pass
Blue	A	PE-Cy7	150	70.39	630	-9	0.0189	15	Pass
Red	C	APC	351	30.77	664	-14	0.0253	174	Pass
Red	A	APC-Cy7	242	32.41	528	-2	0.0044	1063	Pass
Violet	B	DAPI	96	61.93	435	-15	0.0805	3785	Pass
Violet	A	AmCyan	162	40.13	490	-15	0.0408	3823	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	-29.30	1.22
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.53
Red	16.19	12.00 - 18.00	N/A	N/A	27.21	27.67	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9925

Fluidics

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

Comments