

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: 04/01/2019 09:09 AM
Cytometer Baseline: 12/17/2018 10:11 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	124315	-1	2.12	124429	2.06
Blue	F	SSC	125000	125924	0	2.09	126745	2.02
Blue	E	FITC	19383	18875	-3	2.91	488	17.85
Blue	D	PE	36216	35789	-2	2.06	802	12.82
Blue	B	PE-Cy5	55140	53665	-3	3.48	1512	18.92
Blue	A	PE-Cy7	42167	40965	-3	4.89	950	26.83
Red	C	APC	67610	67021	-1	2.47	1919	12.63
Red	A	APC-Cy7	50926	49266	-4	3.08	1516	11.04
Violet	B	DAPI	12515	12174	-3	2.58	882	10.56
Violet	A	AmCyan	46312	45585	-2	2.19	1417	9.49

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14239	8.36	544	2	N/A	N/A	Pass
Blue	F	SSC	58548	1.44	392	7	N/A	N/A	Pass
Blue	E	FITC	72	77.22	443	4	0.0264	509	Pass
Blue	D	PE	156	47.04	485	6	0.2298	311	Pass
Blue	B	PE-Cy5	238	51.61	616	4	0.0094	93	Pass
Blue	A	PE-Cy7	138	75.74	635	5	0.0191	17	Pass
Red	C	APC	376	29.96	673	-2	0.0252	148	Pass
Red	A	APC-Cy7	218	33.05	521	-7	0.0052	978	Pass
Violet	B	DAPI	112	60.58	446	3	0.0640	3713	Pass
Violet	A	AmCyan	155	55.17	497	7	0.0265	5738	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	-30.07	-29.70	1.21
Blue	20.25	16.21 - 24.31	1.41	1.14 - 1.70	0.00	0.00	1.51
Red	16.21	12.00 - 18.00	N/A	N/A	27.92	28.11	1.31

Window Extension: 7.00
FSC Area Scaling Factor: 0.94

Threshold

Threshold (FSC): 9522

Fluidics

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

Comments