

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: 04/23/2019 09:10 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	125601	0	1.21	125698	1.23
Blue	F	SSC	125000	123689	-2	2.56	124520	2.51
Blue	E	FITC	19383	18897	-3	2.79	487	17.04
Blue	D	PE	36216	36105	-1	2.08	810	12.47
Blue	B	PE-Cy5	55140	54177	-2	3.42	1532	18.31
Blue	A	PE-Cy7	42167	41268	-3	4.92	952	25.93
Red	C	APC	67610	67656	0	2.48	1935	13.39
Red	A	APC-Cy7	50926	50607	-1	3.24	1557	11.15
Violet	B	DAPI	12515	12140	-3	2.36	868	10.79
Violet	A	AmCyan	46312	45960	-1	2.04	1430	8.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16688	5.30	545	3	N/A	N/A	Pass
Blue	F	SSC	57756	2.18	390	5	N/A	N/A	Pass
Blue	E	FITC	72	74.13	440	1	0.0297	513	Pass
Blue	D	PE	159	45.18	482	3	0.2400	294	Pass
Blue	B	PE-Cy5	239	51.61	612	0	0.0102	139	Pass
Blue	A	PE-Cy7	142	72.55	630	0	0.0207	19	Pass
Red	C	APC	381	30.37	676	1	0.0214	57	Pass
Red	A	APC-Cy7	221	32.85	524	-4	0.0050	788	Pass
Violet	B	DAPI	108	60.65	444	1	0.0537	2839	Pass
Violet	A	AmCyan	157	51.75	495	5	0.0300	5688	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	-29.90	-29.54	1.24
Blue	20.25	16.21 - 24.31	1.38	1.14 - 1.70	0.00	0.00	1.51
Red	16.14	12.00 - 18.00	N/A	N/A	27.70	27.97	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10468

Fluidics

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

Comments