

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: 11/28/2018 08:53 AM
Cytometer Baseline: 06/11/2018 02:56 PM
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	123786	-1	3.46	123779	3.51
Blue	F	SSC	125000	125064	0	3.70	125762	3.63
Blue	E	FITC	19423	18901	-3	3.63	488	16.47
Blue	D	PE	36173	35694	-2	3.32	799	12.59
Blue	B	PE-Cy5	57286	56130	-3	3.72	1579	17.84
Blue	A	PE-Cy7	42868	42054	-2	4.77	976	25.89
Red	C	APC	68148	67935	-1	2.36	1948	12.70
Red	A	APC-Cy7	46946	46117	-2	2.84	1422	10.49
Violet	B	DAPI	12571	12125	-4	3.92	866	10.37
Violet	A	AmCyan	45518	44366	-3	3.87	1371	9.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14677	6.87	534	-8	N/A	N/A	Pass
Blue	F	SSC	58090	3.17	382	-3	N/A	N/A	Pass
Blue	E	FITC	73	66.57	438	-4	0.0302	319	Pass
Blue	D	PE	155	44.62	479	-3	0.2412	271	Pass
Blue	B	PE-Cy5	248	48.52	613	-6	0.0108	94	Pass
Blue	A	PE-Cy7	144	71.04	629	-7	0.0204	10	Pass
Red	C	APC	380	29.96	670	-5	0.0246	124	Pass
Red	A	APC-Cy7	204	32.73	512	-9	0.0059	1392	Pass
Violet	B	DAPI	110	57.02	442	1	0.0777	3741	Pass
Violet	A	AmCyan	151	45.07	491	4	0.0298	3771	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	-30.16	-29.80	1.21
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.51
Red	17.78	14.86 - 22.30	N/A	N/A	27.63	28.11	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 12550

Fluidics

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

Comments