

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: 04/09/2018 09:42 AM
Cytometer Baseline: 10/23/2017 09:39 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 70106 **Expiration Date:** 01/31/2018 (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	124691	-1	1.05	124845	1.02
Blue	F	SSC	125000	123499	-2	2.42	124585	2.38
Blue	E	FITC	18535	17810	-4	2.47	487	16.12
Blue	D	PE	29708	29124	-2	1.93	785	11.14
Blue	B	PE-Cy5	70430	68714	-3	3.25	1608	16.46
Blue	A	PE-Cy7	70607	69281	-2	5.24	966	24.83
Red	C	APC	76673	76974	0	2.75	2460	11.17
Red	A	APC-Cy7	78803	76757	-3	5.04	1444	10.95
Violet	B	DAPI	11434	11155	-3	2.31	797	10.54
Violet	A	AmCyan	43596	42723	-3	1.87	1244	9.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18771	4.65	524	-12	N/A	N/A	Pass
Blue	F	SSC	57787	2.43	379	-6	N/A	N/A	Pass
Blue	E	FITC	72	74.13	432	-8	0.0347	695	Pass
Blue	D	PE	134	46.64	465	-8	0.2858	363	Pass
Blue	B	PE-Cy5	248	46.11	601	-8	0.0113	131	Pass
Blue	A	PE-Cy7	154	68.32	625	-8	0.0226	28	Pass
Red	C	APC	510	25.16	668	1	0.0252	171	Pass
Red	A	APC-Cy7	249	28.54	515	0	0.0060	1728	Pass
Violet	B	DAPI	98	70.42	440	-2	0.1224	7970	Pass
Violet	A	AmCyan	149	62.49	488	-2	0.0340	9174	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	-29.99	-29.72	1.23
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.51
Red	18.34	14.86 - 22.30	N/A	N/A	27.59	28.00	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10452

Fluidics

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

Comments