

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: 07/02/2018 09:07 AM
Cytometer Baseline: 06/11/2018 02:40 PM
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	123793	-1	1.39	123960	1.39
Blue	F	SSC	125000	124171	-1	3.01	125262	2.96
Blue	E	FITC	18778	17916	-5	2.87	484	16.37
Blue	D	PE	33461	32188	-4	2.45	863	11.02
Blue	B	PE-Cy5	74647	72685	-3	3.40	1728	16.39
Blue	A	PE-Cy7	74829	72822	-3	5.02	1052	24.96
Red	C	APC	83387	82772	-1	2.20	2628	11.16
Red	A	APC-Cy7	88776	88833	0	3.96	1744	10.64
Violet	B	DAPI	11708	11459	-3	2.53	845	10.07
Violet	A	AmCyan	45634	44617	-3	2.22	1297	8.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17922	4.17	527	-9	N/A	N/A	Pass
Blue	F	SSC	58120	2.90	380	-5	N/A	N/A	Pass
Blue	E	FITC	71	72.55	433	-6	0.0320	522	Pass
Blue	D	PE	148	45.85	472	-7	0.3049	374	Pass
Blue	B	PE-Cy5	267	46.60	608	-5	0.0114	171	Pass
Blue	A	PE-Cy7	169	66.78	633	-3	0.0212	20	Pass
Red	C	APC	550	25.01	674	-4	0.0246	143	Pass
Red	A	APC-Cy7	301	28.46	526	2	0.0055	1763	Pass
Violet	B	DAPI	108	59.97	441	-1	0.0922	4716	Pass
Violet	A	AmCyan	157	47.12	491	-1	0.0345	4692	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	-29.65	-29.50	1.22
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.53
Red	15.43	14.86 - 22.30	N/A	N/A	27.45	27.83	1.35

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9537

Fluidics

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

Comments