

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: 07/30/2018 09:12 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	123665	-2	1.57	123785	1.55
Blue	F	SSC	125000	123200	-2	3.29	124334	3.27
Blue	E	FITC	18778	17779	-6	2.99	477	17.05
Blue	D	PE	33461	32478	-3	2.45	868	11.20
Blue	B	PE-Cy5	74647	73576	-2	3.68	1758	16.73
Blue	A	PE-Cy7	74829	73055	-3	5.49	1088	25.16
Red	C	APC	83387	82958	-1	2.20	2636	11.14
Red	A	APC-Cy7	88776	88633	-1	4.16	1771	10.83
Violet	B	DAPI	11708	11421	-3	2.42	856	10.45
Violet	A	AmCyan	45634	44826	-2	2.09	1302	9.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18097	7.54	530	-6	N/A	N/A	Pass
Blue	F	SSC	57620	3.39	381	-4	N/A	N/A	Pass
Blue	E	FITC	70	77.35	434	-5	0.0304	602	Pass
Blue	D	PE	149	46.90	474	-5	0.3006	397	Pass
Blue	B	PE-Cy5	270	47.74	610	-3	0.0109	177	Pass
Blue	A	PE-Cy7	175	68.33	637	1	0.0206	30	Pass
Red	C	APC	547	25.56	676	-2	0.0250	192	Pass
Red	A	APC-Cy7	306	28.74	530	6	0.0053	1750	Pass
Violet	B	DAPI	109	61.64	442	0	0.0746	4127	Pass
Violet	A	AmCyan	157	55.60	493	1	0.0305	6226	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	-29.44	-29.17	1.23
Blue	20.24	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.53
Red	15.78	14.86 - 22.30	N/A	N/A	27.16	27.54	1.35

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10561

Fluidics

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

Comments