

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: 07/23/2018 09:49 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	124990	-1	1.85	125201	1.80
Blue	F	SSC	125000	122671	-2	3.57	123745	3.54
Blue	E	FITC	18778	18441	-2	3.23	497	17.23
Blue	D	PE	33461	32688	-3	2.86	875	11.33
Blue	B	PE-Cy5	74647	73654	-2	3.75	1755	17.22
Blue	A	PE-Cy7	74829	73528	-2	5.49	1087	26.13
Red	C	APC	83387	82800	-1	2.15	2631	10.99
Red	A	APC-Cy7	88776	88479	-1	4.10	1765	10.77
Violet	B	DAPI	11708	11420	-3	2.91	855	9.88
Violet	A	AmCyan	45634	44473	-3	2.73	1291	9.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18205	8.18	538	2	N/A	N/A	Pass
Blue	F	SSC	57356	3.60	382	-3	N/A	N/A	Pass
Blue	E	FITC	74	75.64	438	-1	0.0291	591	Pass
Blue	D	PE	149	46.90	478	-1	0.2875	365	Pass
Blue	B	PE-Cy5	272	48.04	614	1	0.0102	145	Pass
Blue	A	PE-Cy7	174	69.62	642	6	0.0189	21	Pass
Red	C	APC	545	25.07	673	-5	0.0256	175	Pass
Red	A	APC-Cy7	306	28.49	527	3	0.0053	1701	Pass
Violet	B	DAPI	110	60.28	441	-1	0.1230	6801	Pass
Violet	A	AmCyan	156	49.42	491	-1	0.0307	4590	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)

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: 07/23/2018 09:49 AM
Cytometer Baseline: 06/11/2018 02:40 PM
P/F: Pass

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	-29.58	-29.50	1.21
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.52
Red	15.97	14.86 - 22.30	N/A	N/A	27.41	27.76	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9502

Fluidics

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

Comments