

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: 03/12/2018 09:20 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	124581	-1	0.84	124731	0.84
Blue	F	SSC	125000	125062	0	1.70	126201	1.68
Blue	E	FITC	18535	17730	-5	2.24	485	15.70
Blue	D	PE	29708	29149	-2	1.65	787	10.81
Blue	B	PE-Cy5	70430	68364	-3	3.39	1591	16.61
Blue	A	PE-Cy7	70607	69236	-2	5.26	959	24.98
Red	C	APC	76673	76462	-1	2.88	2440	11.19
Red	A	APC-Cy7	78803	77245	-2	4.63	1436	11.44
Violet	B	DAPI	11434	11171	-3	2.18	796	9.90
Violet	A	AmCyan	43596	43519	-1	1.84	1272	8.36

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18763	3.86	526	-10	N/A	N/A	Pass
Blue	F	SSC	58512	1.57	381	-4	N/A	N/A	Pass
Blue	E	FITC	71	63.09	433	-7	0.0291	167	Pass
Blue	D	PE	134	44.98	467	-6	0.2931	331	Pass
Blue	B	PE-Cy5	246	44.57	603	-6	0.0110	61	Pass
Blue	A	PE-Cy7	154	66.86	628	-5	0.0221	18	Pass
Red	C	APC	507	24.97	667	0	0.0252	153	Pass
Red	A	APC-Cy7	249	29.33	515	0	0.0051	1183	Pass
Violet	B	DAPI	98	61.16	439	-3	0.0964	4341	Pass
Violet	A	AmCyan	154	43.88	488	-2	0.0361	4132	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: 03/12/2018 09:20 AM
Cytometer Baseline: 10/23/2017 09:39 AM
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	59.80	47.84 - 71.76	N/A	N/A	-30.04	-29.84	1.24
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.51
Red	18.37	14.86 - 22.30	N/A	N/A	27.73	28.09	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10910

Fluidics

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

Comments