

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: 11/05/2018 09:30 AM
Cytometer Baseline: 06/11/2018 02:56 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 72518 **Expiration Date:** 09/30/2019
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	124732	-1	3.22	124911	3.22
Blue	F	SSC	125000	122197	-3	3.51	123024	3.49
Blue	E	FITC	19423	18953	-3	3.45	487	17.39
Blue	D	PE	36173	35834	-1	3.06	804	12.77
Blue	B	PE-Cy5	57286	55957	-3	3.62	1573	17.88
Blue	A	PE-Cy7	42868	42174	-2	4.73	963	25.48
Red	C	APC	68148	67780	-1	2.33	1931	12.85
Red	A	APC-Cy7	46946	46237	-2	2.93	1406	10.99
Violet	B	DAPI	12571	12274	-3	3.27	854	10.59
Violet	A	AmCyan	45518	44939	-2	3.07	1390	9.19

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15353	7.43	533	-9	N/A	N/A	Pass
Blue	F	SSC	56798	3.05	381	-4	N/A	N/A	Pass
Blue	E	FITC	73	78.67	438	-4	0.0321	772	Pass
Blue	D	PE	156	47.04	479	-3	0.2505	344	Pass
Blue	B	PE-Cy5	246	49.72	612	-7	0.0108	124	Pass
Blue	A	PE-Cy7	143	71.79	629	-7	0.0217	19	Pass
Red	C	APC	374	29.97	672	-3	0.0238	92	Pass
Red	A	APC-Cy7	200	33.38	515	-6	0.0053	1012	Pass
Violet	B	DAPI	110	61.24	443	2	0.0807	4574	Pass
Violet	A	AmCyan	153	48.65	491	4	0.0282	4379	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: 11/05/2018 09:30 AM
Cytometer Baseline: 06/11/2018 02:56 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	-29.97	-29.60	1.20
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.51
Red	16.73	14.86 - 22.30	N/A	N/A	27.51	27.99	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9696

Fluidics

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

Comments