

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: 08/17/2020 09:11 AM
Cytometer Baseline: 06/24/2019 09:23 AM (Expired)
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 72518 **Expiration Date:** 09/30/2019 (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	125559	0	1.78	125716	1.72
Blue	F	SSC	125000	125146	0	1.38	126091	1.37
Blue	E	FITC	19687	19117	-3	2.55	494	17.44
Blue	D	PE	35036	34648	-2	1.81	781	12.77
Blue	B	PE-Cy5	53922	53321	-2	3.71	1502	18.27
Blue	A	PE-Cy7	41443	40505	-3	5.48	919	27.38
Red	C	APC	64207	64310	0	2.72	1826	12.91
Red	A	APC-Cy7	48785	47410	-3	2.52	1443	10.89
Violet	B	DAPI	11947	11598	-3	3.26	779	10.83
Violet	A	AmCyan	48649	47507	-3	3.05	1483	9.01

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15865	9.63	550	-10	N/A	N/A	Pass
Blue	F	SSC	57728	1.07	388	-8	N/A	N/A	Pass
Blue	E	FITC	76	71.16	445	-3	0.0267	426	Pass
Blue	D	PE	154	46.97	482	-3	0.2348	340	Pass
Blue	B	PE-Cy5	232	52.67	616	-4	0.0105	175	Pass
Blue	A	PE-Cy7	133	78.39	633	-6	0.0189	21	Pass
Red	C	APC	356	30.31	670	-8	0.0242	121	Pass
Red	A	APC-Cy7	202	33.92	521	-9	0.0053	1092	Pass
Violet	B	DAPI	96	69.55	443	-7	0.1066	6989	Pass
Violet	A	AmCyan	166	50.83	500	-5	0.0344	6601	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	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V96300958	Software:	BD FACSDiva 8.0
Input Device:	Carousel	Date:	08/17/2020 09:11 AM
Setup Bead Position:	1	Cytometer Baseline:	06/24/2019 09:23 AM (Expired)
Cytometer Configuration:	Canto II Config 3-laser, 8-color (4-2-2)	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	-29.84	-29.55	1.19
Blue	20.25	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.53
Red	16.59	12.80 - 19.20	N/A	N/A	27.58	27.93	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9674

Fluidics

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

Comments