

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: 12/07/2020 09:16 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	126222	0	1.75	126322	1.75
Blue	F	SSC	125000	125651	0	1.93	126552	1.90
Blue	E	FITC	19687	19313	-2	2.51	500	18.03
Blue	D	PE	35036	35254	0	1.83	795	12.47
Blue	B	PE-Cy5	53922	53254	-2	3.48	1499	18.19
Blue	A	PE-Cy7	41443	40892	-2	5.08	933	26.68
Red	C	APC	64207	63957	-1	2.47	1821	12.85
Red	A	APC-Cy7	48785	46947	-4	2.74	1436	11.42
Violet	B	DAPI	11947	11581	-4	3.96	786	10.93
Violet	A	AmCyan	48649	47738	-2	4.01	1493	9.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16064	11.23	549	-11	N/A	N/A	Pass
Blue	F	SSC	58447	1.59	388	-8	N/A	N/A	Pass
Blue	E	FITC	77	72.68	445	-3	0.0244	420	Pass
Blue	D	PE	158	45.62	482	-3	0.2481	342	Pass
Blue	B	PE-Cy5	231	51.70	615	-5	0.0104	140	Pass
Blue	A	PE-Cy7	135	74.96	633	-6	0.0196	15	Pass
Red	C	APC	356	29.54	669	-9	0.0238	78	Pass
Red	A	APC-Cy7	205	33.26	520	-10	0.0046	572	Pass
Violet	B	DAPI	98	66.28	445	-5	0.0979	6036	Pass
Violet	A	AmCyan	168	52.15	505	0	0.0306	6256	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:	12/07/2020 09:16 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	59.80	47.84 - 71.76	N/A	N/A	-30.31	-30.06	1.16
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	15.40	12.80 - 19.20	N/A	N/A	28.07	28.43	1.32

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9808

Fluidics

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

Comments