

# Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V96300958	Software:	BD FACSDiva 9.0
Input Device:	Carousel	Date:	05/02/2023 09:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/16/2023 10:20 AM
Cytometer Configuration:	Canto II Config 3-laser, 8-color (4-2-2)	P/F:	Pass

## Setup Beads

**Bead Product:** CST Setup Beads    **Part #:** 910858  
**Lot ID:** 82158    **Expiration Date:** 08/31/2020 (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	122897	-2	1.90	123023	1.90
Blue	F	SSC	125000	125248	0	2.10	125871	2.09
Blue	E	FITC	20434	19825	-3	2.61	418	20.96
Blue	D	PE	34399	34001	-2	1.79	720	14.00
Blue	B	PE-Cy5	48387	47330	-3	3.77	1345	20.22
Blue	A	PE-Cy7	34835	34261	-2	5.69	736	30.66
Red	C	APC	54234	53932	-1	2.81	1736	12.51
Red	A	APC-Cy7	42473	41609	-3	3.05	1200	12.63
Violet	B	DAPI	10884	10269	-6	3.83	680	13.52
Violet	A	AmCyan	41787	39969	-5	3.61	975	14.67

## Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14326	13.30	563	-2	N/A	N/A	Pass
Blue	F	SSC	58440	1.66	395	-3	N/A	N/A	Pass
Blue	E	FITC	75	84.30	453	-6	0.0260	862	Pass
Blue	D	PE	147	48.93	485	-5	0.1937	295	Pass
Blue	B	PE-Cy5	245	57.16	622	-8	0.0099	325	Pass
Blue	A	PE-Cy7	137	79.71	636	-7	0.0185	35	Pass
Red	C	APC	386	27.13	659	-8	0.0266	130	Pass
Red	A	APC-Cy7	242	30.89	519	-5	0.0046	753	Pass
Violet	B	DAPI	93	82.37	442	-1	0.0881	9405	Pass
Violet	A	AmCyan	144	80.01	503	1	0.0244	13343	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 9.0
Input Device:	Carousel	Date:	05/02/2023 09:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/16/2023 10:20 AM
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	-30.34	-29.97	1.15
Blue	20.25	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.48
Red	17.70	14.40 - 21.60	N/A	N/A	27.86	28.13	1.26

Window Extension: 7.00  
FSC Area Scaling Factor: 0.89

## Threshold

Threshold (FSC): 9559

## Fluidics

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

Comments