

# Cytometer Performance Report

<b>Cytometer:</b>	FACSCantoII	<b>User:</b>	Administrator
<b>Cytometer Name:</b>	FACSCantoII	<b>Institution:</b>	N/A
<b>Serial Number:</b>	V96300958	<b>Software:</b>	BD FACSDiva 9.0
<b>Input Device:</b>	Carousel	<b>Date:</b>	11/06/2023 09:07 AM
<b>Tube Loaded Manually:</b>	Yes	<b>Cytometer Baseline:</b>	01/16/2023 10:20 AM
<b>Cytometer Configuration:</b>	Canto II Config 3-laser, 8-color (4-2-2)	<b>P/F:</b>	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	125791	0	1.29	125820	1.30
Blue	F	SSC	125000	125834	0	1.79	126416	1.79
Blue	E	FITC	20434	20051	-2	2.39	425	18.93
Blue	D	PE	34399	34184	-1	1.70	724	12.97
Blue	B	PE-Cy5	48387	47275	-3	3.60	1367	19.15
Blue	A	PE-Cy7	34835	34169	-2	5.53	749	29.23
Red	C	APC	54234	54213	-1	2.54	1760	12.56
Red	A	APC-Cy7	42473	41852	-2	2.67	1250	11.33
Violet	B	DAPI	10884	10628	-3	2.22	688	10.43
Violet	A	AmCyan	41787	41421	-1	1.94	1020	9.95

## Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21005	3.33	555	-10	N/A	N/A	Pass
Blue	F	SSC	58277	1.49	392	-6	N/A	N/A	Pass
Blue	E	FITC	76	66.86	450	-9	0.0252	304	Pass
Blue	D	PE	149	46.42	481	-9	0.2497	353	Pass
Blue	B	PE-Cy5	253	47.65	617	-13	0.0101	87	Pass
Blue	A	PE-Cy7	144	71.04	630	-13	0.0194	16	Pass
Red	C	APC	393	27.35	666	-1	0.0259	137	Pass
Red	A	APC-Cy7	263	27.93	522	-2	0.0058	1243	Pass
Violet	B	DAPI	96	59.67	439	-4	0.1242	6335	Pass
Violet	A	AmCyan	147	45.07	502	0	0.0291	3832	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)

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Cytometer Name: FACSCantoII  
Serial Number: V96300958  
Input Device: Carousel  
Tube Loaded Manually: Yes  
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: Administrator  
Institution: N/A  
Software: BD FACSDiva 9.0  
Date: 11/06/2023 09:07 AM  
Cytometer Baseline: 01/16/2023 10:20 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	-30.39	-30.18	1.18
Blue	20.24	16.19 - 24.29	1.42	1.14 - 1.70	0.00	0.00	1.51
Red	15.00	14.40 - 21.60	N/A	N/A	27.97	28.30	1.27

Window Extension: 7.00  
FSC Area Scaling Factor: 0.89

## Threshold

Threshold (FSC): 13159

## Fluidics

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

Comments