

# 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:	03/27/2023 09:09 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	125043	0	1.64	125144	1.65
Blue	F	SSC	125000	122837	-2	1.39	123400	1.36
Blue	E	FITC	20434	19953	-3	2.40	421	19.84
Blue	D	PE	34399	34104	-1	1.54	726	13.01
Blue	B	PE-Cy5	48387	47271	-3	3.66	1368	19.28
Blue	A	PE-Cy7	34835	34044	-3	5.46	753	30.06
Red	C	APC	54234	54296	0	2.38	1778	12.39
Red	A	APC-Cy7	42473	42151	-1	3.19	1271	11.51
Violet	B	DAPI	10884	10584	-3	2.20	687	11.44
Violet	A	AmCyan	41787	40547	-3	1.81	998	11.22

## Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16445	9.32	549	-16	N/A	N/A	Pass
Blue	F	SSC	57012	1.05	391	-7	N/A	N/A	Pass
Blue	E	FITC	77	71.28	452	-7	0.0239	405	Pass
Blue	D	PE	148	47.44	483	-7	0.2513	376	Pass
Blue	B	PE-Cy5	249	49.42	620	-10	0.0101	121	Pass
Blue	A	PE-Cy7	146	71.88	634	-9	0.0180	12	Pass
Red	C	APC	394	27.21	669	2	0.0264	146	Pass
Red	A	APC-Cy7	269	28.14	525	1	0.0057	1368	Pass
Violet	B	DAPI	95	64.54	444	1	0.0799	4744	Pass
Violet	A	AmCyan	145	54.02	503	1	0.0245	5164	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:	03/27/2023 09:09 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	-30.57	-30.39	1.13
Blue	20.24	16.19 - 24.29	1.43	1.14 - 1.70	0.00	0.00	1.48
Red	15.55	14.40 - 21.60	N/A	N/A	28.26	28.48	1.25

Window Extension: 7.00  
FSC Area Scaling Factor: 0.88

## Threshold

Threshold (FSC): 9558

## Fluidics

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

Comments