

# 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:	10/02/2023 09:35 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	124917	-1	1.24	125144	1.21
Blue	F	SSC	125000	124945	-1	2.21	125534	2.17
Blue	E	FITC	20434	19899	-3	2.62	420	19.52
Blue	D	PE	34399	33951	-2	1.80	720	14.18
Blue	B	PE-Cy5	48387	47734	-2	3.64	1379	19.80
Blue	A	PE-Cy7	34835	34580	-1	5.12	755	29.42
Red	C	APC	54234	54533	0	2.57	1768	13.34
Red	A	APC-Cy7	42473	42060	-1	2.55	1254	11.66
Violet	B	DAPI	10884	10435	-5	3.57	729	10.67
Violet	A	AmCyan	41787	40726	-3	3.37	1000	10.22

## Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19748	4.65	558	-7	N/A	N/A	Pass
Blue	F	SSC	57547	1.68	399	1	N/A	N/A	Pass
Blue	E	FITC	74	71.16	456	-3	0.0244	368	Pass
Blue	D	PE	145	48.91	488	-2	0.1759	245	Pass
Blue	B	PE-Cy5	254	50.58	627	-3	0.0095	129	Pass
Blue	A	PE-Cy7	143	75.67	637	-6	0.0197	36	Pass
Red	C	APC	394	29.16	673	6	0.0224	128	Pass
Red	A	APC-Cy7	265	29.36	524	0	0.0055	1586	Pass
Violet	B	DAPI	99	58.65	445	2	0.0970	5164	Pass
Violet	A	AmCyan	146	40.94	511	9	0.0264	2550	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:	10/02/2023 09:35 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	-30.49	-29.59	1.09
Blue	20.24	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.50
Red	17.62	14.40 - 21.60	N/A	N/A	26.96	27.95	1.32

Window Extension: 7.00  
FSC Area Scaling Factor: 0.86

## Threshold

Threshold (FSC): 9557

## Fluidics

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

Comments