

# 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:	03/20/2017 09:35 AM	
Setup Bead Position:	1	Cytometer Baseline:	01/04/2017 03:58 PM	
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:** 82950    **Expiration Date:** 03/31/2016 (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	124620	-1	3.49	124795	3.61
Blue	F	SSC	125000	123457	-2	4.31	124256	4.29
Blue	E	FITC	20501	19562	-5	2.84	477	21.18
Blue	D	PE	34373	33734	-2	1.93	667	17.08
Blue	B	PE-Cy5	59337	58299	-2	4.73	1164	29.21
Blue	A	PE-Cy7	48989	48685	-1	6.93	651	52.17
Red	C	APC	60194	60373	0	3.06	1439	18.01
Red	A	APC-Cy7	52685	52032	-2	3.96	844	19.63
Violet	B	DAPI	11362	10871	-5	2.74	783	11.56
Violet	A	AmCyan	47125	46217	-2	2.53	1432	10.04

## Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14293	17.51	586	-4	N/A	N/A	Pass
Blue	F	SSC	61525	4.00	421	0	N/A	N/A	Pass
Blue	E	FITC	84	76.69	471	-3	0.0179	464	Pass
Blue	D	PE	168	52.40	513	-1	0.1528	356	Pass
Blue	B	PE-Cy5	246	71.51	678	-1	0.0052	191	Pass
Blue	A	PE-Cy7	127	139.84	726	2	0.0075	56	Pass
Red	C	APC	409	35.77	726	5	0.0149	172	Pass
Red	A	APC-Cy7	206	45.16	573	3	0.0025	1260	Pass
Violet	B	DAPI	106	64.97	460	1	0.0595	4188	Pass
Violet	A	AmCyan	179	48.43	518	4	0.0207	3644	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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## 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	47.71 - 71.57	N/A	N/A	-29.47	-29.09	1.20
Blue	20.24	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.45
Red	16.35	12.75 - 19.13	N/A	N/A	30.26	30.45	1.19

Window Extension: 7.00  
FSC Area Scaling Factor: 0.88

## Threshold

Threshold (FSC): 9501

## Fluidics

FACSFlow Pressure: 4.50      Sample Pressure: 4.30  
Spec.: 4.40 - 4.60

Comments