

# Cytometer Performance Report

Cytometer:	FACSAriaII	User:	Administrator
Cytometer Name:	FACSAriaII	Institution:	N/A
Serial Number:	1	Software:	BD FACSDiva 8.0.1
Input Device:	Manual	Date:	04/18/2016 11:27 AM
Cytometer Configuration:	100 microns 25PSI standard	Cytometer Baseline:	10/19/2015 04:27 PM
		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	125903	0	4.12	126334	5.83
Blue	C	SSC	125000	123448	-2	4.77	124770	5.02
Blue	B	Alexa Fluor 488	21893	21667	-2	3.91	500	17.32
Blue	A	PerCP	28999	28864	-1	5.54	564	25.57
Red	C	Alexa Fluor 647	24023	23708	-2	5.11	468	25.53
Red	B	APC-Alexa 700	95610	94842	-1	3.91	1647	12.29
Red	A	APC-Cy7	84656	84479	-1	4.42	1280	20.96
561 Yellow-Green	E	DsRed	88087	88257	0	2.43	1970	9.44
561 Yellow-Green	D	PE-Texas Red	79386	78844	-1	2.96	1554	15.48
561 Yellow-Green	C	7-AAD	82932	82748	-1	3.18	1735	17.10
561 Yellow-Green	B	PE-Cy5-5	83720	83608	-1	3.09	1606	14.16
561 Yellow-Green	A	PE-Cy7	22282	21463	-4	3.45	316	18.18

## Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15739	4.50	330	-4	N/A	N/A	Pass
Blue	C	SSC	69025	4.89	363	8	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	96	49.99	573	5	0.0251	2	Pass
Blue	A	PerCP	112	63.75	612	-1	0.0044	278	Pass
Red	C	Alexa Fluor 647	126	52.26	595	-6	0.0079	138	Pass
Red	B	APC-Alexa 700	409	23.59	620	2	0.0052	0	Pass
Red	A	APC-Cy7	308	43.78	677	-1	0.0021	73	Pass
561 Yellow-Green	E	DsRed	585	17.40	654	-4	0.3772	0	Pass
561 Yellow-Green	D	PE-Texas Red	434	31.28	647	-7	0.0280	40	Pass
561 Yellow-Green	C	7-AAD	430	36.04	717	-7	0.0287	39	Pass

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Cytometer: FACSriaII  
Cytometer Name: FACSriaII  
Serial Number: 1  
Input Device: Manual  
Cytometer Configuration: 100 microns 25PSI standard

User: Administrator  
Institution: N/A  
Software: BD FACSDiva 8.0.1  
Date: 04/18/2016 11:27 AM  
Cytometer Baseline: 10/19/2015 04:27 PM  
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	378	32.38	653	-5	0.0240	207	Pass
561 Yellow-Green	A	PE-Cy7	76	36.58	476	-7	0.0210	0	Pass

## Specifications

PMTV Delta from baseline: 50 (BD)  
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)  
561 Yellow-Green Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)  
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

## Laser Settings

Laser	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Red	-72.22	-71.85	1.03
561 Yellow-Green	-37.47	-37.19	1.00
Blue	0.00	0.00	1.13

Window Extension: 2.00  
FSC Area Scaling Factor: 0.94

## Threshold

Threshold (FSC): 11746

## Fluidics

Sheath Pressure: 24.76      Sample Pressure: 23.71  
Nozzle Size: 100

Comments