

# 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:	05/22/2018 11:38 AM
Cytometer Configuration:	100 microns 25PSI standard	Cytometer Baseline:	02/01/2018 10:15 AM
		P/F:	Pass

## Setup Beads

**Bead Product:** CST Setup Beads    **Part #:** 910858  
**Lot ID:** 70106    **Expiration Date:** 01/31/2018 (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	125277	0	1.79	125392	1.82
Blue	C	SSC	125000	124247	-1	3.02	125531	3.16
Blue	B	Alexa Fluor 488	28577	27933	-3	2.85	763	13.88
Blue	A	PerCP	46788	45943	-2	4.40	1041	18.12
Red	C	Alexa Fluor 647	30278	29828	-2	3.31	800	16.56
Red	B	APC-Alexa 700	132138	130120	-2	3.83	2770	7.67
Red	A	APC-Cy7	121354	119546	-2	4.80	2204	13.47
561 Yellow-Green	E	DsRed	85861	85303	-1	1.78	2525	6.81
561 Yellow-Green	D	PE-Texas Red	70915	70672	-1	2.21	1936	11.00
561 Yellow-Green	C	7-AAD	98107	97465	-1	2.37	2582	11.20
561 Yellow-Green	B	PE-Cy5-5	113747	112213	-2	3.08	2576	9.92
561 Yellow-Green	A	PE-Cy7	33071	32087	-3	4.23	544	12.59

## Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17720	3.12	307	4	N/A	N/A	Pass
Blue	C	SSC	60250	2.72	337	-1	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	112	46.23	574	0	0.0331	0	Pass
Blue	A	PerCP	152	51.77	610	-2	0.0062	242	Pass
Red	C	Alexa Fluor 647	152	38.63	563	-3	0.0111	65	Pass
Red	B	APC-Alexa 700	480	17.62	587	-7	0.0114	1056	Pass
Red	A	APC-Cy7	379	32.43	643	-1	0.0033	215	Pass
561 Yellow-Green	E	DsRed	499	16.44	626	-2	0.6232	0	Pass
561 Yellow-Green	D	PE-Texas Red	354	27.50	602	-5	0.0431	9	Pass
561 Yellow-Green	C	7-AAD	426	29.94	689	-5	0.0414	38	Pass

# 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:	05/22/2018 11:38 AM
Cytometer Configuration:	100 microns 25PSI standard	Cytometer Baseline:	02/01/2018 10:15 AM
		P/F:	Pass

561 Yellow-Green	B	PE-Cy5-5	414	27.89	638	-17	0.0319	283	Pass
561 Yellow-Green	A	PE-Cy7	91	29.99	458	-3	0.0288	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	-69.68	-69.15	1.08
561 Yellow-Green	-36.27	-35.67	1.03
Blue	0.00	0.00	1.21

Window Extension:	2.00
FSC Area Scaling Factor:	0.96

## Threshold

Threshold (FSC): 11862

## Fluidics

Sheath Pressure:	24.73	Sample Pressure:	23.77
Nozzle Size:	100		

Comments