

Cytometer Performance Report

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: 02/15/2016 11:21 AM
 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
 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	124872	-1	1.85	125036	1.86
Blue	C	SSC	125000	122789	-2	2.40	123802	2.31
Blue	B	Alexa Fluor 488	21893	21696	-1	2.48	496	17.25
Blue	A	PerCP	28999	28929	-1	4.24	569	24.90
Red	C	Alexa Fluor 647	24023	23714	-2	3.76	465	24.76
Red	B	APC-Alexa 700	95610	94991	-1	2.54	1706	11.03
Red	A	APC-Cy7	84656	83608	-2	3.40	1337	19.64
561 Yellow-Green	E	DsRed	88087	87770	-1	1.66	1936	9.33
561 Yellow-Green	D	PE-Texas Red	79386	78742	-1	2.28	1544	15.73
561 Yellow-Green	C	7-AAD	82932	82821	-1	2.53	1745	16.65
561 Yellow-Green	B	PE-Cy5-5	83720	83276	-1	2.50	1636	14.36
561 Yellow-Green	A	PE-Cy7	22282	21389	-5	3.22	331	18.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14284	3.87	327	-7	N/A	N/A	Pass
Blue	C	SSC	67117	2.79	361	6	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	96	49.42	572	4	0.0244	0	Pass
Blue	A	PerCP	112	63.12	614	1	0.0046	285	Pass
Red	C	Alexa Fluor 647	123	51.46	594	-7	0.0083	139	Pass
Red	B	APC-Alexa 700	418	22.11	621	3	0.0061	0	Pass
Red	A	APC-Cy7	322	41.89	678	0	0.0023	219	Pass
561 Yellow-Green	E	DsRed	573	17.41	654	-4	0.3766	0	Pass
561 Yellow-Green	D	PE-Texas Red	430	30.33	648	-6	0.0257	0	Pass
561 Yellow-Green	C	7-AAD	430	36.47	719	-5	0.0305	73	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:	02/15/2016 11:21 AM
Cytometer Configuration:	100 microns 25PSI standard	Cytometer Baseline:	10/19/2015 04:27 PM
		P/F:	Pass

561 Yellow-Green	B	PE-Cy5-5	387	31.47	657	-1	0.0214	105	Pass
561 Yellow-Green	A	PE-Cy7	80	36.61	480	-3	0.0199	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	-72.82	-72.01	1.02
561 Yellow-Green	-38.10	-37.26	0.99
Blue	0.00	0.00	1.11

Window Extension:	2.00
FSC Area Scaling Factor:	0.85

Threshold

Threshold (FSC): 10224

Fluidics

Sheath Pressure:	24.80	Sample Pressure:	23.79
Nozzle Size:	100		

Comments