

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: 07/30/2019 03:14 PM
 Cytometer Baseline: 07/08/2019 01:54 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 72518 Expiration Date: 09/30/2019
 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	123956	-1	2.06	123995	2.13
Blue	C	SSC	125000	123695	-2	2.92	124707	3.04
Blue	B	Alexa Fluor 488	24509	24089	-2	2.94	596	17.05
Blue	A	PerCP	28083	27743	-2	4.89	798	21.83
Red	C	Alexa Fluor 647	27476	27220	-1	3.61	720	18.59
Red	B	APC-Alexa 700	71237	70848	-1	4.41	2388	8.12
Red	A	APC-Cy7	63557	63132	-1	5.27	1958	13.83
561 Yellow-Green	E	DsRed	87567	87395	-1	1.75	2156	7.64
561 Yellow-Green	D	PE-Texas Red	65512	65135	-1	2.29	1479	12.03
561 Yellow-Green	C	7-AAD	69736	69136	-1	2.66	2170	12.27
561 Yellow-Green	B	PE-Cy5-5	63787	62601	-2	3.55	2136	10.15
561 Yellow-Green	A	PE-Cy7	18452	17623	-5	4.92	511	13.16

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17173	3.92	334	-31	N/A	N/A	Pass
Blue	C	SSC	58645	2.91	351	-8	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	93	55.60	586	-22	0.0236	0	Pass
Blue	A	PerCP	114	66.57	623	-22	0.0046	346	Pass
Red	C	Alexa Fluor 647	120	46.01	579	-2	0.0103	33	Pass
Red	B	APC-Alexa 700	341	21.18	581	-2	0.0130	1673	Pass
Red	A	APC-Cy7	275	37.48	635	-3	0.0033	306	Pass
561 Yellow-Green	E	DsRed	491	16.74	624	-4	0.5381	0	Pass
561 Yellow-Green	D	PE-Texas Red	313	28.13	593	-3	0.0411	19	Pass
561 Yellow-Green	C	7-AAD	353	33.04	688	-4	0.0411	38	Pass

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: 07/30/2019 03:14 PM
Cytometer Baseline: 07/08/2019 01:54 PM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	309	30.42	619	-5	0.0336	258	Pass
561 Yellow-Green	A	PE-Cy7	73	34.53	457	-6	0.0276	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	-71.52	-70.93	1.04
561 Yellow-Green	-37.28	-36.59	1.01
Blue	0.00	0.00	1.16

Window Extension: 2.00
FSC Area Scaling Factor: 0.95

Threshold

Threshold (FSC): 12950

Fluidics

Sheath Pressure: 24.81 Sample Pressure: 23.77
Nozzle Size: 100

Comments