

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: 02/04/2019 11:33 AM
 Cytometer Baseline: 01/07/2019 04:25 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	124456	-1	2.09	124510	2.07
Blue	C	SSC	125000	124783	-1	3.82	125950	3.74
Blue	B	Alexa Fluor 488	27175	26742	-2	3.27	665	15.32
Blue	A	PerCP	34893	34277	-2	4.89	997	20.63
Red	C	Alexa Fluor 647	25689	25472	-1	4.27	675	18.53
Red	B	APC-Alexa 700	82209	81935	-1	3.95	2819	8.32
Red	A	APC-Cy7	72773	71670	-2	4.71	2297	13.75
561 Yellow-Green	E	DsRed	99857	99706	-1	1.80	2468	7.35
561 Yellow-Green	D	PE-Texas Red	77376	77043	-1	2.15	1760	11.75
561 Yellow-Green	C	7-AAD	84099	83576	-1	2.55	2634	11.74
561 Yellow-Green	B	PE-Cy5-5	74528	74005	-1	2.65	2568	10.32
561 Yellow-Green	A	PE-Cy7	19231	18294	-5	3.49	552	12.75

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17831	4.31	316	0	N/A	N/A	Pass
Blue	C	SSC	60083	3.45	342	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	106	47.72	578	-1	0.0295	0	Pass
Blue	A	PerCP	144	59.05	627	1	0.0050	222	Pass
Red	C	Alexa Fluor 647	111	46.16	572	0	0.0105	45	Pass
Red	B	APC-Alexa 700	405	20.08	595	4	0.0097	0	Pass
Red	A	APC-Cy7	317	36.94	650	4	0.0031	71	Pass
561 Yellow-Green	E	DsRed	569	15.61	634	1	0.5733	0	Pass
561 Yellow-Green	D	PE-Texas Red	371	27.18	606	0	0.0424	2	Pass
561 Yellow-Green	C	7-AAD	426	32.67	704	1	0.0453	62	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: 02/04/2019 11:33 AM
Cytometer Baseline: 01/07/2019 04:25 PM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	370	30.56	638	-6	0.0291	181	Pass
561 Yellow-Green	A	PE-Cy7	79	32.73	460	1	0.0258	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	-70.15	-69.46	1.06
561 Yellow-Green	-36.48	-35.93	1.03
Blue	0.00	0.00	1.23

Window Extension: 2.00
FSC Area Scaling Factor: 0.99

Threshold

Threshold (FSC): 12329

Fluidics

Sheath Pressure: 24.79 Sample Pressure: 23.77
Nozzle Size: 100

Comments