

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: 01/28/2019 11:27 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	122086	-3	2.78	122150	2.74
Blue	C	SSC	125000	124176	-1	3.06	125232	3.04
Blue	B	Alexa Fluor 488	27175	26384	-3	3.07	658	14.77
Blue	A	PerCP	34893	34102	-3	4.66	988	19.67
Red	C	Alexa Fluor 647	25689	25443	-1	3.33	676	18.65
Red	B	APC-Alexa 700	82209	82839	0	2.62	2822	7.83
Red	A	APC-Cy7	72773	72806	0	3.44	2292	13.64
561 Yellow-Green	E	DsRed	99857	99494	-1	1.49	2490	7.07
561 Yellow-Green	D	PE-Texas Red	77376	77620	0	1.95	1770	11.67
561 Yellow-Green	C	7-AAD	84099	83492	-1	2.27	2627	11.77
561 Yellow-Green	B	PE-Cy5-5	74528	73595	-2	2.47	2529	10.53
561 Yellow-Green	A	PE-Cy7	19231	18310	-5	3.17	546	12.61

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17151	3.93	313	-3	N/A	N/A	Pass
Blue	C	SSC	58833	3.22	341	2	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	104	46.55	576	-3	0.0317	0	Pass
Blue	A	PerCP	140	58.79	624	-2	0.0056	302	Pass
Red	C	Alexa Fluor 647	111	46.16	573	1	0.0100	19	Pass
Red	B	APC-Alexa 700	404	20.02	595	4	0.0096	0	Pass
Red	A	APC-Cy7	320	36.94	651	5	0.0030	0	Pass
561 Yellow-Green	E	DsRed	572	15.25	632	-1	0.6069	0	Pass
561 Yellow-Green	D	PE-Texas Red	374	26.14	606	0	0.0419	0	Pass
561 Yellow-Green	C	7-AAD	427	31.87	700	-3	0.0441	37	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: 01/28/2019 11:27 AM
Cytometer Baseline: 01/07/2019 04:25 PM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	369	30.65	643	-1	0.0276	149	Pass
561 Yellow-Green	A	PE-Cy7	78	33.16	458	-1	0.0265	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	-70.20	-69.67	1.05
561 Yellow-Green	-36.46	-36.02	1.03
Blue	0.00	0.00	1.21

Window Extension: 2.00
FSC Area Scaling Factor: 0.99

Threshold

Threshold (FSC): 11063

Fluidics

Sheath Pressure: 24.86 Sample Pressure: 23.77
Nozzle Size: 100

Comments