

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: 12/04/2017 10:26 AM
 Cytometer Baseline: 10/20/2017 01:51 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 70106 Expiration Date: 01/31/2018
 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	124313	-1	1.81	124489	1.79
Blue	C	SSC	125000	122657	-2	3.06	123802	3.06
Blue	B	Alexa Fluor 488	27498	27188	-2	3.28	740	15.08
Blue	A	PerCP	36112	35727	-2	4.99	827	20.86
Red	C	Alexa Fluor 647	28741	28802	0	3.53	775	19.70
Red	B	APC-Alexa 700	141071	141215	0	3.89	3170	8.70
Red	A	APC-Cy7	131206	131549	0	5.37	2629	15.90
561 Yellow-Green	E	DsRed	87112	87249	0	2.47	2516	8.25
561 Yellow-Green	D	PE-Texas Red	73278	72864	-1	2.89	1959	13.10
561 Yellow-Green	C	7-AAD	120414	119187	-2	3.33	3182	13.24
561 Yellow-Green	B	PE-Cy5-5	118969	117681	-2	4.10	2829	10.96
561 Yellow-Green	A	PE-Cy7	36384	35016	-4	5.60	650	14.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14988	6.75	340	-5	N/A	N/A	Pass
Blue	C	SSC	62785	3.36	362	2	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	109	49.42	599	-5	0.0280	0	Pass
Blue	A	PerCP	123	61.77	623	-5	0.0046	378	Pass
Red	C	Alexa Fluor 647	145	46.01	596	-7	0.0076	34	Pass
Red	B	APC-Alexa 700	548	20.02	640	-2	0.0071	703	Pass
Red	A	APC-Cy7	451	38.79	701	4	0.0021	413	Pass
561 Yellow-Green	E	DsRed	493	19.01	661	-6	0.4339	0	Pass
561 Yellow-Green	D	PE-Texas Red	357	32.32	639	-7	0.0313	12	Pass
561 Yellow-Green	C	7-AAD	526	33.98	750	-10	0.0298	20	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: 12/04/2017 10:26 AM
Cytometer Baseline: 10/20/2017 01:51 PM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	466	28.73	670	-6	0.0254	220	Pass
561 Yellow-Green	A	PE-Cy7	111	33.52	493	-4	0.0220	14	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	-75.03	-74.36	1.00
561 Yellow-Green	-39.02	-38.48	0.97
Blue	0.00	0.00	1.14

Window Extension: 2.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9924

Fluidics

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

Comments