

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: 10/15/2018 10:47 AM
 Cytometer Baseline: 07/23/2018 03:46 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	124704	-1	1.48	124770	1.45
Blue	C	SSC	125000	123057	-2	2.66	124109	2.64
Blue	B	Alexa Fluor 488	29033	28711	-2	2.49	714	14.83
Blue	A	PerCP	32923	33029	0	4.51	962	20.20
Red	C	Alexa Fluor 647	23888	23370	-3	3.42	619	18.31
Red	B	APC-Alexa 700	79008	78221	-1	3.52	2682	7.69
Red	A	APC-Cy7	69641	69631	-1	4.39	2210	13.39
561 Yellow-Green	E	DsRed	90846	90556	-1	1.59	2264	7.05
561 Yellow-Green	D	PE-Texas Red	78468	78043	-1	2.06	1780	11.90
561 Yellow-Green	C	7-AAD	78834	78935	0	2.42	2496	11.68
561 Yellow-Green	B	PE-Cy5-5	68459	67524	-2	3.03	2331	11.52
561 Yellow-Green	A	PE-Cy7	18684	17865	-5	3.80	531	12.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17579	2.24	326	26	N/A	N/A	Pass
Blue	C	SSC	59504	2.01	345	12	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	114	46.90	589	12	0.0312	0	Pass
Blue	A	PerCP	140	59.30	627	11	0.0052	288	Pass
Red	C	Alexa Fluor 647	106	45.96	562	-3	0.0107	73	Pass
Red	B	APC-Alexa 700	393	20.44	586	-6	0.0125	1484	Pass
Red	A	APC-Cy7	316	36.32	643	-3	0.0033	263	Pass
561 Yellow-Green	E	DsRed	522	15.85	625	0	0.6373	0	Pass
561 Yellow-Green	D	PE-Texas Red	377	26.81	604	-3	0.0406	0	Pass
561 Yellow-Green	C	7-AAD	404	32.99	695	-4	0.0458	76	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: 10/15/2018 10:47 AM
Cytometer Baseline: 07/23/2018 03:46 PM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	341	34.14	651	-11	0.0234	205	Pass
561 Yellow-Green	A	PE-Cy7	77	33.61	455	-7	0.0273	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	-69.60	-68.88	1.06
561 Yellow-Green	-36.28	-35.43	1.03
Blue	0.00	0.00	1.17

Window Extension: 2.00
FSC Area Scaling Factor: 0.96

Threshold

Threshold (FSC): 10703

Fluidics

Sheath Pressure: 24.78 Sample Pressure: 23.77
Nozzle Size: 100

Comments