

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: 08/27/2018 11:22 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	124339	-1	1.74	124418	1.72
Blue	C	SSC	125000	127636	2	3.23	128741	3.30
Blue	B	Alexa Fluor 488	29033	28720	-2	2.87	712	13.95
Blue	A	PerCP	32923	32849	-1	4.62	973	19.52
Red	C	Alexa Fluor 647	23888	23497	-2	3.85	629	18.16
Red	B	APC-Alexa 700	79008	78816	-1	5.29	2836	8.22
Red	A	APC-Cy7	69641	69930	0	6.72	2375	13.58
561 Yellow-Green	E	DsRed	90846	90435	-1	1.87	2246	7.18
561 Yellow-Green	D	PE-Texas Red	78468	77869	-1	2.19	1767	11.91
561 Yellow-Green	C	7-AAD	78834	78488	-1	2.87	2504	12.02
561 Yellow-Green	B	PE-Cy5-5	68459	67585	-2	4.61	2424	11.78
561 Yellow-Green	A	PE-Cy7	18684	17535	-7	6.90	563	12.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17963	4.22	308	8	N/A	N/A	Pass
Blue	C	SSC	61611	3.37	340	7	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	113	45.85	577	0	0.0374	0	Pass
Blue	A	PerCP	143	54.69	619	3	0.0055	196	Pass
Red	C	Alexa Fluor 647	104	44.93	564	-1	0.0107	34	Pass
Red	B	APC-Alexa 700	415	19.62	594	2	0.0156	2321	Pass
Red	A	APC-Cy7	340	35.91	654	8	0.0036	781	Pass
561 Yellow-Green	E	DsRed	517	15.75	626	1	0.6193	0	Pass
561 Yellow-Green	D	PE-Texas Red	376	26.96	604	-3	0.0411	0	Pass
561 Yellow-Green	C	7-AAD	408	32.36	695	-4	0.0426	43	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: 08/27/2018 11:22 AM
Cytometer Baseline: 07/23/2018 03:46 PM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	356	34.05	657	-5	0.0239	258	Pass
561 Yellow-Green	A	PE-Cy7	81	33.78	462	0	0.0332	100	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	-69.73	-69.03	1.06
561 Yellow-Green	-36.30	-35.59	1.04
Blue	0.00	0.00	1.18

Window Extension: 2.00
FSC Area Scaling Factor: 0.95

Threshold

Threshold (FSC): 10232

Fluidics

Sheath Pressure: 24.77 Sample Pressure: 23.77
Nozzle Size: 100

Comments