

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: 09/20/2018 03:35 PM
 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	126187	0	2.33	126173	2.39
Blue	C	SSC	125000	123803	-1	3.87	124783	3.83
Blue	B	Alexa Fluor 488	29033	28585	-2	3.52	702	15.4
Blue	A	PerCP	32923	33020	0	5.48	955	21.18
Red	C	Alexa Fluor 647	23888	23531	-2	3.79	624	18.82
Red	B	APC-Alexa 700	79008	79131	0	4.33	2651	8.2
Red	A	APC-Cy7	69641	69445	-1	5.49	2130	14.01
561 Yellow-Green	E	DsRed	90846	90399	-1	1.97	2263	7.61
561 Yellow-Green	D	PE-Texas Red	78468	77908	-1	2.39	1779	12.28
561 Yellow-Green	C	7-AAD	78834	78176	-1	2.87	2457	12.15
561 Yellow-Green	B	PE-Cy5-5	68459	68467	0	3.88	2322	11.86
561 Yellow-Green	A	PE-Cy7	18684	17994	-4	4.33	517	13.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17920	4.03	326	26	N/A	N/A	Pass
Blue	C	SSC	59668	3.27	344	11	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	111	49.94	588	11	0.0306	0	Pass
Blue	A	PerCP	137	60.82	626	10	0.0048	228	Pass
Red	C	Alexa Fluor 647	104	46.9	563	-2	0.0101	49	Pass
Red	B	APC-Alexa 700	383	20.29	587	-5	0.0119	719	Pass
Red	A	APC-Cy7	302	37.2	642	-4	0.0033	219	Pass
561 Yellow-Green	E	DsRed	519	16.42	624	-1	0.5392	0	Pass
561 Yellow-Green	D	PE-Texas Red	374	27.52	605	-2	0.0383	0	Pass
561 Yellow-Green	C	7-AAD	394	33.16	693	-6	0.0424	46	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: 09/20/2018 03:35 PM
Cytometer Baseline: 07/23/2018 03:46 PM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	335	34.88	652	-10	0.0234	203	Pass
561 Yellow-Green	A	PE-Cy7	74	35.01	455	-7	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	-69.14	-68.23	1.07
561 Yellow-Green	-36.03	-35.11	1.04
Blue	0.00	0.00	1.18

Window Extension: 2.00
FSC Area Scaling Factor: 0.95

Threshold

Threshold (FSC): 10561

Fluidics

Sheath Pressure: 24.74 Sample Pressure: 23.76
Nozzle Size: 100

Comments