

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: 02/11/2019 11:17 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	125157	0	1.53	125243	1.51
Blue	C	SSC	125000	125248	0	3.18	126236	3.15
Blue	B	Alexa Fluor 488	27175	26854	-2	3.01	668	15.21
Blue	A	PerCP	34893	34876	-1	4.88	1008	20.36
Red	C	Alexa Fluor 647	25689	25245	-2	3.98	668	18.88
Red	B	APC-Alexa 700	82209	81694	-1	4.80	2777	8.25
Red	A	APC-Cy7	72773	72747	-1	6.09	2282	13.73
561 Yellow-Green	E	DsRed	99857	99509	-1	1.68	2466	7.25
561 Yellow-Green	D	PE-Texas Red	77376	77422	0	2.11	1769	11.58
561 Yellow-Green	C	7-AAD	84099	83215	-2	2.56	2621	11.90
561 Yellow-Green	B	PE-Cy5-5	74528	74085	-1	4.08	2554	10.06
561 Yellow-Green	A	PE-Cy7	19231	18419	-5	6.73	548	12.54

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17644	2.65	320	4	N/A	N/A	Pass
Blue	C	SSC	58667	3.36	343	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	107	47.17	580	1	0.0296	0	Pass
Blue	A	PerCP	143	60.82	629	3	0.0053	297	Pass
Red	C	Alexa Fluor 647	111	46.16	571	-1	0.0100	18	Pass
Red	B	APC-Alexa 700	401	19.79	593	2	0.0130	854	Pass
Red	A	APC-Cy7	320	36.46	650	4	0.0035	360	Pass
561 Yellow-Green	E	DsRed	566	15.66	633	0	0.5898	0	Pass
561 Yellow-Green	D	PE-Texas Red	374	26.96	605	-1	0.0437	8	Pass
561 Yellow-Green	C	7-AAD	423	31.38	701	-2	0.0430	16	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: 02/11/2019 11:17 AM
Cytometer Baseline: 01/07/2019 04:25 PM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	370	29.73	635	-9	0.0361	285	Pass
561 Yellow-Green	A	PE-Cy7	78	33.16	459	0	0.0373	76	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	-70.23	-69.56	1.05
561 Yellow-Green	-36.56	-35.90	1.03
Blue	0.00	0.00	1.23

Window Extension: 2.00
FSC Area Scaling Factor: 0.99

Threshold

Threshold (FSC): 12661

Fluidics

Sheath Pressure: 24.79 Sample Pressure: 23.77
Nozzle Size: 100

Comments