

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: 04/08/2019 10:02 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	125206	0	1.91	125290	1.95
Blue	C	SSC	125000	124439	-1	2.71	125510	2.78
Blue	B	Alexa Fluor 488	27175	26807	-2	2.86	667	16.44
Blue	A	PerCP	34893	34871	-1	4.81	997	22.73
Red	C	Alexa Fluor 647	25689	25216	-2	3.63	666	18.62
Red	B	APC-Alexa 700	82209	81607	-1	3.36	2714	8.00
Red	A	APC-Cy7	72773	72055	-1	4.12	2194	13.50
561 Yellow-Green	E	DsRed	99857	99572	-1	1.73	2484	7.20
561 Yellow-Green	D	PE-Texas Red	77376	76681	-1	2.16	1752	11.93
561 Yellow-Green	C	7-AAD	84099	83008	-2	2.42	2596	12.02
561 Yellow-Green	B	PE-Cy5-5	74528	73621	-2	2.57	2493	9.78
561 Yellow-Green	A	PE-Cy7	19231	18378	-5	3.31	529	12.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17711	3.64	341	25	N/A	N/A	Pass
Blue	C	SSC	60010	2.34	352	13	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	107	51.64	595	16	0.0251	0	Pass
Blue	A	PerCP	143	66.59	643	17	0.0041	241	Pass
Red	C	Alexa Fluor 647	111	45.73	573	1	0.0102	26	Pass
Red	B	APC-Alexa 700	393	19.72	590	-1	0.0103	0	Pass
Red	A	APC-Cy7	310	36.94	647	1	0.0033	192	Pass
561 Yellow-Green	E	DsRed	573	15.33	634	1	0.5938	0	Pass
561 Yellow-Green	D	PE-Texas Red	372	26.81	605	-1	0.0404	0	Pass
561 Yellow-Green	C	7-AAD	420	31.67	703	0	0.0421	15	Pass

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561 Yellow-Green	B	PE-Cy5-5	357	29.65	630	-14	0.0340	209	Pass
561 Yellow-Green	A	PE-Cy7	75	34.06	458	-1	0.0280	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	-70.75	-70.12	1.05
561 Yellow-Green	-36.82	-36.18	1.02
Blue	0.00	0.00	1.21

Window Extension: 2.00
FSC Area Scaling Factor: 0.99

Threshold

Threshold (FSC): 11057

Fluidics

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

Comments