

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: 03/18/2019 10:51 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	125387	0	1.52	125465	1.52
Blue	C	SSC	125000	124563	-1	2.30	125677	2.28
Blue	B	Alexa Fluor 488	27175	26721	-2	2.34	668	14.66
Blue	A	PerCP	34893	34537	-2	4.45	994	20.27
Red	C	Alexa Fluor 647	25689	25659	-1	3.43	679	18.36
Red	B	APC-Alexa 700	82209	81662	-1	3.71	2748	7.71
Red	A	APC-Cy7	72773	72611	-1	4.70	2245	13.47
561 Yellow-Green	E	DsRed	99857	99517	-1	1.51	2480	7.02
561 Yellow-Green	D	PE-Texas Red	77376	76898	-1	1.98	1748	11.62
561 Yellow-Green	C	7-AAD	84099	83121	-2	2.43	2611	11.91
561 Yellow-Green	B	PE-Cy5-5	74528	73405	-2	3.08	2498	9.97
561 Yellow-Green	A	PE-Cy7	19231	18321	-5	4.31	529	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	17712	2.77	320	4	N/A	N/A	Pass
Blue	C	SSC	59954	1.90	343	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	106	46.01	579	0	0.0313	0	Pass
Blue	A	PerCP	145	59.80	627	1	0.0053	303	Pass
Red	C	Alexa Fluor 647	112	45.73	575	3	0.0105	34	Pass
Red	B	APC-Alexa 700	393	19.82	592	1	0.0129	796	Pass
Red	A	APC-Cy7	312	36.94	649	3	0.0034	251	Pass
561 Yellow-Green	E	DsRed	569	15.55	633	0	0.6307	0	Pass
561 Yellow-Green	D	PE-Texas Red	368	26.09	604	-2	0.0424	0	Pass
561 Yellow-Green	C	7-AAD	420	32.34	702	-1	0.0433	37	Pass

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561 Yellow-Green	B	PE-Cy5-5	359	28.89	630	-14	0.0330	150	Pass
561 Yellow-Green	A	PE-Cy7	76	32.06	457	-2	0.0285	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	-70.44	-69.74	1.05
561 Yellow-Green	-36.66	-36.05	1.03
Blue	0.00	0.00	1.22

Window Extension: 2.00
FSC Area Scaling Factor: 0.99

Threshold

Threshold (FSC): 12187

Fluidics

Sheath Pressure: 24.84 Sample Pressure: 23.77
Nozzle Size: 100

Comments