



Figure 1: Tubes after incubation in Thermal death point experiment.



Figure 2: Tubes after incubation in Thermal death time experiment

Table 1: Pre-incubation and post-incubation optical density measurements against different temperatures for cell concentrations of Thermal Death Point (TDP)

Temperature (°C)	Pre- incubation OD	Cell Concentration	post- incubation OD	Cell concentration
Control	0.1	4336×10⁶.	0.60	1440×10⁶
30	0. 1	4336×10⁶	0.61	1464×10⁶
35	0.1	4336×10⁶	0.5	41296×10⁶
40	0.1	4336×10⁶	0.45	1080×10⁶
45	0.10	240×10⁶	0.44	1056×10⁶
50	0.12	288×10⁶	0.71	1704×10⁶
55	0.15	360×10⁶	0.80	1920×10⁶
60	0.14	336×10⁶	0.72	1728×10⁶
65	0.16	384×10⁶	0.77	1848×10⁶
70	0.16	384×10⁶	0.62	21488×10⁶
75	0.14	336×10⁶	0.73	1752×10⁶