

Table 3. Effect of the repression of type I topoisomerase activity on cell viability

Strain	Time, hr	Viable cell count, cells/ml	
		+ Arabinose	+ Glucose
DM750 $\Delta topB$ /pTBE 302	4	7.4×10^6	6.1×10^3
	8	8.1×10^7	1.8×10^4
	12	6.3×10^9	6.9×10^3
DM800 $\Delta topB$ /pTBE 302	4	3.3×10^6	5.4×10^3
	8	1.6×10^7	4.9×10^3
	12	4.7×10^9	7.9×10^3

Cultures of the indicated strains were grown overnight in medium containing arabinose. Cells were harvested, washed, and diluted in medium containing either glucose or arabinose at an initial density of 1.0×10^6 cells per ml. Viable cell count was determined by plating an aliquot of the cultures on plates containing arabinose as described in *Materials and Methods*.