

Table I. Mass fraction of ribosome and the number of ribosomes in *E. coli* TG1 at different phases of growth.^a

Phase	d_H for the 30S, 50S, and 70S particles (nm) ^b	Mass fraction of ribosome	Number of ribosomes per cell
Lag phase	17; 19; 23	0.43 (0.032)	195 (45)
Logarithmic phase	18; 20, 25	0.72 (0.043)	4100 (1400)
Stationary phase	18; 20; 25	0.81 (0.023)	3500 (1400)
Declination phase	17; 20; 24	0.37 (0.038)	25 (15)

^aReported values are averages of six analyses, three from each of two parallel preparations, except for the lag phase experiment, which is based on six analyses of one preparation. The standard deviation is given within parentheses.

^b d_H is the hydrodynamic diameter.