

TABLE V

Percentage of active ribosomes and rate of elongation in Neurospora crassa cells in exponential growth in different media

The percentage of active ribosomes was determined for each growth condition as indicated in the text. The values reported are the average of three independent determinations. The rate of elongation has been calculated from the results shown in Table III (rate of protein synthesis per genome), in Fig. 3 (number of ribosomes per genome), and from the percent of active ribosomes reported in this Table.

Growth medium	Active ribosomes	Rate of elongation
	%	<i>amino acids/min/ active ribosome</i>
Nutrient broth.....	58	830
Glucose + casamino acids.....	53	900
Acetate + casamino acids.....	54	850
Glucose.....	56	850
Glycerol + casamino acids.....	47	1010
Glycerol.....	51	1080
Ethanol.....	44	730