

TABLE III

Rates of rRNA, tRNA, and protein synthesis in Neurospora crassa cells in exponential growth in different media

Growth medium	Nucleotides polymerized/min/genome		Ratio of the rate of tRNA synthesis to rate of rRNA synthesis	Rate of protein synthesis ^a (amino acids polymerized/min/genome)
	Rate of rRNA synthesis	Rate of tRNA synthesis		
	$\times 10^{-7}$	$\times 10^{-6}$		$\times 10^{-8}$
Nutrient broth.	5.07	5.37	0.11	3.01
Glucose + casamino acids.	2.52	2.97	0.12	2.08
Acetate + casamino acids.	2.06	2.47	0.12	1.83
Glucose.	1.52	1.84	0.12	1.58
Glycerol + casamino acids.	1.33	1.78	0.13	1.49
Acetate.	0.92	1.96	0.21	1.25
Glycerol.	0.33	1.16	0.35	0.79
Ethanol.	0.14	0.46	0.34	0.38

^a The rates of protein synthesis have been calculated from the normalized values of protein level (Table II).