Table 1. Composition of growth media^a

Carbon source*	Nitrogen source (g/liter)	Range of growth rates (generations/h)	Avg growth rate (µ)	Avg genera tion time (h)
Glucose	Casein hydrolysate (10)	0.53-0.72	0.62	1.6
Glucose	Ammonium sulfate (5)	0.38-0.54	0.46	2.1
Fructose	Ammonium sulfate (5)	0.38-0.45	0.41	2.4
Glucose	L-Proline (2)	0.20-0.29	0.25	4.0
Lactose	Ammonium sulfate (5)	0.057-0.088	0.076	13.2
Ethanol	Ammonium sulfate (5)	0.035-0.079	0.056	17.9
	Glucose Glucose Fructose Glucose Lactose	Glucose Casein hydrolysate (10) Glucose Ammonium sulfate (5) Fructose Ammonium sulfate (5) Glucose L-Proline (2) Lactose Ammonium sulfate (5)	Caroon source (g/liter) growth rates (generations/h)	Caroon source (g/liter) growth rates (generations/h) rate (μ) Glucose Casein hydrolysate (10) 0.53-0.72 0.62 Glucose Ammonium sulfate (5) 0.38-0.54 0.46 Fructose Ammonium sulfate (5) 0.38-0.45 0.41 Glucose L-Proline (2) 0.20-0.29 0.25 Lactose Ammonium sulfate (5) 0.057-0.088 0.076

^a All media contained uracil at a concentration of 10 μ g/ml.

^b For all media except P, the carbon source (20 g/liter) was added to a solution containing (per liter) 6.7 g of yeast nitrogen base without amino acids (Difco). Casein hydrolysate was also added to this solution when making medium C. The supplements for medium P were added to a solution containing (per liter) 1.45 g of yeast nitrogen base without amino acids or ammonium (Difco).