

TABLE 1. *Composition of growth media*^a

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

^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).