**2 × YT Medium**

Per liter:

To 900 ml of deionized H₂O, add:

- bacto-tryptone 16 g
- bacto-yeast extract 10 g
- NaCl 5 g

Shake until the solutes have dissolved. Adjust the pH to 7.0 with 5 N NaOH. Adjust the volume of the solution to 1 liter with deionized H₂O. Sterilize by autoclaving for 20 minutes at 15 lb/sq. in. on liquid cycle.

**M9 Minimal Medium**

Per liter:

To 750 ml of sterile deionized H₂O (cooled to 50°C or less), add:

- 5 × M9 salts 200 ml
- sterile deionized H₂O to 1 liter
- 20% solution of the appropriate carbon source (e.g., 20% glucose) 20 ml

If necessary, supplement the M9 medium with stock solutions of the appropriate amino acids.

5 × M9 salts is made by dissolving the following salts in deionized H₂O to a final volume of 1 liter:

- Na₂HPO₄·7H₂O 64 g
- KH₂PO₄ 15 g
- NaCl 2.5 g
- NH₄Cl 5.0 g

The salt solution is divided into 200-ml aliquots and sterilized by autoclaving for 15 minutes at 15 lb/sq. in. on liquid cycle.