2 × YT Medium

Per liter:

To 900 ml of deionized H_2O, 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 H_2O. 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 H_2O (cooled to 50°C or less), add:

5 × M9 salts	200 ml
sterile deionized H_2O 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 H_2O to a final volume of 1 liter:

$Na_2HPO_4 \cdot 7H_2O$	64 g
KH_2PO_4	15 g
NaCl	2.5 g
NH_4Cl	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.