

### 3. AZOTOBACTER MEDIUM

|   |        |    |
|---|--------|----|
| Glucose   | 5.00   | g  |
| Mannitol  | 5.00   | g  |
| CaCl <sub>2</sub> x 2 H <sub>2</sub> O                | 0.10   | g  |
| MgSO <sub>4</sub> x 7 H <sub>2</sub> O                | 0.10   | g  |
| Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O | 5.00   | mg |
| K <sub>2</sub> HPO <sub>4</sub>                       | 0.90   | g  |
| KH <sub>2</sub> PO <sub>4</sub>                       | 0.10   | g  |
| FeSO <sub>4</sub> x 7 H <sub>2</sub> O                | 0.01   | g  |
| CaCO <sub>3</sub>                                     | 5.00   | g  |
| Agar  | 15.00  | g  |
| Distilled water                                       | 950.00 | ml |

Adjust pH to 7.3.

Sterilize glucose and mannitol separately (in 50 ml H<sub>2</sub>O) and add to the medium after autoclaving.