

ATCC Medium 12: Azotobacter Supplement

Base Medium

K ₂ HPO ₄	1.0 g
MgSO ₄ x 7H ₂ O.....	0.2 g
NaCl.....	0.2 g
FeSO ₄	5.0 mg
Soil Extract (See Below).....	100.0 mL
Mannitol Solution (See Below).....	100.0 mL
Agar (if required).....	15.0 g
Tap water.....	800.0 mL

Adjust base medium to pH 7.6.

Autoclave at 121°C.

Dispense complete medium as required.

Mannitol Solution

Mannitol.....	20.0 g
DI Water.....	100.0 mL

Filter sterilize and aseptically add to sterile base medium.

Soil Extract

African Violet Soil.....	77.0 g
Na ₂ CO ₃	0.2 g
DI water.....	200.0 mL

Boil for 1 hour. Filter to clarify before use.

Add to base medium before autoclaving.