

ATCC medium: 2382 Hagerdahl medium

Macro Salts 10X (per liter):

NaCl.....15.0 g
(NH₄)₂SO₄.....31.0 g
Na₂HPO₄*91.0 g
KH₂PO₄9.0 g

*Na₂HPO₄ . 7H₂O, 172.0 g, may be used.
Adjust pH to 7.4 +/- 0.2.

Microsalts 50X (per 500 ml):

EDTA.....1.25 g
MgSO₄ . 7H₂O.....5.0 g
ZnSO₄ . 7H₂O.....0.2 g
FeSO₄ . 7H₂O.....0.5 g
MnSO₄ . H₂O.....0.38 g
CaCl₂ . 2H₂O.....0.66 g

Carbon Source (choose one):

Cellobiose*.....5.0 g/L
Glucose.....5.0 g/L
Xylan.....7.5-10.0 g/L

*(The organism prefers cellobiose.)

Additions:

Biotin.....1.0 mg/L
Thiamine1.0 mg/L
Yeast extract**.....0.2 g/L

** (optional-not at all necessary)

Autoclave 10X Macro Salts and solid carbon source together. Cool and add sterile Microsalts to 1X, Soluble carbon source and "Additions".