

ATCC medium: 450 T2 medium for *Thiobacillus*

Solution A:

Na₂S₂O₃ · 5H₂O5.0 g
NH₄Cl1.0 g
KNO₃2.0 g
Distilled water.....250.0 ml

Solution B:

KH₂PO₄2.0 g
Distilled water.....250.0 ml

Solution C:

NaHCO₃2.0 g
Distilled water.....250.0 ml

Solution D:

MgSO₄ · 7H₂O0.8 g
FeSO₄ · 7H₂O (2%, w/v, in N HCl) ...1.0 ml
Trace Metals Solution (see below)..1.0 ml
Distilled water.....250.0 ml

Sterilize the four solutions separately and combine aseptically for the completed medium. The pH of the final medium is 7.0.

Trace Metal Solution:

EDTA.....50.0 g
ZnSO₄22.0 g
CaCl₂5.54 g
MnCl₂5.06 g
FeSO₄4.99 g
Ammonium molybdate.....1.10 g
CuSO₄1.57 g
CoCl₂1.61 g
Distilled water.....1.0 L

Adjust pH to 6.0 with KOH.