

ATCC medium: 472 *Thiobacillus* A2 (T3) medium

Solution A:

Na₂HPO₄4.2 g
KH₂PO₄1.5 g
Na₂S₂O₃ . 5H₂O5.0 g
NH₄Cl1.0 g
Phenol red (0.2% soln.)1.0 ml
Distilled water.....100.0 ml

Adjust Solution A to pH 9.0.

Solution B:

MgSO₄ . 7H₂O0.1 g
Trace Metal Solution (see below)...5.0 ml
Distilled water.....1.0 L

Sterilize Solutions A and B separately. Mix and dispense aseptically.
Final pH will be 8.5 +/- 0.2. For solid medium, add 1.5% agar.

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.