

ATCC medium: 1344 *Clostridium noterae* medium

K₂HPO₄ . 3H₂O.....0.4 g
NH₄Cl.....1.0 g
NaCl.....0.45 g
Yeast extract.....2.0 g
L-Cysteine . HCl.....0.15 g
Trace Metal Solution (see below).....10.0 ml
Distilled water to.....1.0 L

Dissolve ingredients in the distilled water and adjust to pH 7 with 10 M NaOH. Boil, cool and dispense medium in 5 ml aliquots under O₂-free nitrogen gas; stopper with butyl rubber and autoclave. Prior to inoculation, aseptically add to each tube the following anaerobically prepared sterile solutions:

10% Na₂CO₃0.15 ml
1.5% Na₂S . 9H₂O0.05 ml

Inoculate and incubate medium under 80% H₂, 20% CO₂ to provide conditions for H₂-fixation. Adjust final pH, if necessary to 7.9 +/- 0.1.

Trace Metal Solution:

H₂SeO₃0.01 g
MnCl₂ . 4H₂O0.10 g
FeSO₄ . 7H₂O0.10 g
CoCl₂ . 6H₂O0.15 g
ZnCl₂0.10 g
H₃BO₃0.01 g
Na₂MoO₄ . 2H₂O.....0.01 g
CuCl₂ . 2H₂O0.02 g
NiSO₄ . 6H₂O0.02 g
AlCl₃ . 6H₂O0.04 g
EDTA.....0.50 g
Distilled water.....1.0 L