

ATCC medium: 1789 Carboxydobacterium medium

Na₂HPO₄ . 12H₂O.....9.0 g
KH₂PO₄1.5 g
NH₄Cl.....1.5 g
MgSO₄ . 7H₂O0.2 g
CaCl₂ . 2H₂O20.0 mg
Ammonium ferric III citrate.....1.2 mg
TS2 Trace Elements (see below).....1.0 ml
Distilled water.....1.0 L

Autoclave at 121C for 15 minutes. For chemoautotrophic growth, incubate under a gas atmosphere of 50% carbon monoxide and 50% air. For chemoorganotrophic growth add 0.3% sodium acetate to medium and incubate in air.

TS2 Trace Elements:

ZnSO₄ . 7H₂O100.0 mg
MnCl₂ . 4H₂O30.0 mg
H₃BO₃300.0 mg
CoCl₂ . 6H₂O200.0 mg
CuCl₂ . 2H₂O10.0 mg
NiCl₂ . 6H₂O20.0 mg
Na₂MoO₄ . 2H₂O.....900.0 mg
Na₂SeO₃20.0 mg
Distilled water.....1.0 L