

**ATCC medium: 1789 Carboxydobacterium medium**

Na<sub>2</sub>HPO<sub>4</sub> . 12H<sub>2</sub>O.....9.0 g  
KH<sub>2</sub>PO<sub>4</sub> .....1.5 g  
NH<sub>4</sub>Cl.....1.5 g  
MgSO<sub>4</sub> . 7H<sub>2</sub>O .....0.2 g  
CaCl<sub>2</sub> . 2H<sub>2</sub>O .....20.0 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:*

ZnSO<sub>4</sub> . 7H<sub>2</sub>O .....100.0 mg  
MnCl<sub>2</sub> . 4H<sub>2</sub>O .....30.0 mg  
H<sub>3</sub>BO<sub>3</sub> .....300.0 mg  
CoCl<sub>2</sub> . 6H<sub>2</sub>O .....200.0 mg  
CuCl<sub>2</sub> . 2H<sub>2</sub>O .....10.0 mg  
NiCl<sub>2</sub> . 6H<sub>2</sub>O .....20.0 mg  
Na<sub>2</sub>MoO<sub>4</sub> . 2H<sub>2</sub>O.....900.0 mg  
Na<sub>2</sub>SeO<sub>3</sub> .....20.0 mg  
Distilled water.....1.0 L