

**ATCC medium: 2133 OSU967**

KH<sub>2</sub>PO<sub>4</sub> .....0.3 g  
NH<sub>4</sub>Cl .....1.0 g  
NaCl.....0.6 g  
MgCl<sub>2</sub> . 6H<sub>2</sub>O .....0.1 g  
CaCl<sub>2</sub> . 2H<sub>2</sub>O .....0.06 g  
NaHCO<sub>3</sub> .....4.0 g  
Trace Elements (see below).....10.0 ml  
L-Cysteine . HCl.....0.5 g  
Resazurin.....1.0 mg  
Na<sub>2</sub>S . 9H<sub>2</sub>O .....0.5 g  
Distilled water.....1.0 L

Combine all components except Na<sub>2</sub>S and bring to boil. Cool under 80% N<sub>2</sub>, 20% CO<sub>2</sub>. Add Na<sub>2</sub>S after cooling, just prior to dispensing. Adjust pH to 7.2 - 7.4. Autoclave at 121C for 15 minutes.

Bacteriology may flush the headspace with 80% H<sub>2</sub>, 20% CO<sub>2</sub> prior to inoculation.

*Trace Elements:*

Nitrilotriacetic acid.....12.8 g  
FeCl<sub>3</sub> . 6H<sub>2</sub>O .....1.35 g  
MnCl<sub>3</sub> . 4H<sub>2</sub>O .....0.1 g  
CaCl<sub>2</sub> . 2H<sub>2</sub>O .....0.1 g  
ZnCl<sub>2</sub> .....0.1 g  
H<sub>3</sub>BO<sub>3</sub> .....0.01 g  
NaCl.....1.0 g  
NiCl<sub>2</sub> . 6H<sub>2</sub>O .....0.15 g  
AlCl<sub>3</sub> . 6H<sub>2</sub>O .....0.05 g  
CoCl<sub>2</sub> . 6H<sub>2</sub>O .....24.0 mg  
CuCl<sub>2</sub> . 2H<sub>2</sub>O .....25.0 mg  
Na<sub>2</sub>MoO<sub>4</sub> . 2H<sub>2</sub>O.....24.0 mg  
Na<sub>2</sub>SeO<sub>4</sub> . 6H<sub>2</sub>O.....26.0 mg  
Distilled water.....1.0 L

Dissolve the NTA in 200.0 ml water. Adjust pH to 6.5. Add additional ingredients. Bring water to 1.0 L.