

**ATCC medium: 1465 Basal thermophile medium**

*Solution 1:*

NH<sub>4</sub>Cl .....0.9 g  
MgCl<sub>2</sub> . 6H<sub>2</sub>O .....0.2 g  
KH<sub>2</sub>PO<sub>4</sub> .....0.75 g  
K<sub>2</sub>HPO<sub>4</sub> .....1.5 g  
Trace Element Solution (see below).....9.0 ml  
10% FeSO<sub>4</sub> . 7H<sub>2</sub>O .....0.03 ml  
0.2% Resazurin.....1.0 ml  
Wolfe's Vitamin Solution (see below).....5.0 ml  
Trypticase Peptone (BD 211921).....10.0 g  
Distilled water.....850.0 ml

*Solution 2:*

Yeast extract.....3.0 g  
Distilled water.....100.0 ml

*Solution 3:*

Glucose.....5.0 g  
Distilled water.....50.0 ml

Autoclave the above solutions separately at 121C for 45 minutes. Combine solutions under 100% N<sub>2</sub> and dispense aseptically using the same gas phase. At time of inoculation add 10% sterile Na<sub>2</sub>S . 9H<sub>2</sub>O to a final concentration of 0.1%.

*Trace Element Solution:*

Nitrilotriacetic acid (Neutralize to pH 6.5 with KOH).....12.5 g  
FeCl<sub>3</sub> . 4H<sub>2</sub>O .....0.2 g  
MnCl<sub>2</sub> . 4H<sub>2</sub>O .....0.1 g  
CoCl<sub>2</sub> . 6H<sub>2</sub>O .....0.017 g  
CaCl<sub>2</sub> . 2H<sub>2</sub>O .....0.1 g  
ZnCl<sub>2</sub> .....0.1 g  
CuCl<sub>2</sub> .....0.02 g  
H<sub>3</sub>BO<sub>3</sub> .....0.01 g  
Na<sub>2</sub>MoO<sub>4</sub> . 2H<sub>2</sub>O.....0.01 g  
NaCl.....1.0 g  
Na<sub>2</sub>SeO<sub>3</sub> .....0.02 g  
Distilled water.....1.0 L

*Wolfe's Vitamin Solution:*

Available from ATCC as a sterile ready-to-use liquid (Vitamin Supplement, catalog no. MD-VS).

Biotin.....	2.0 mg
Folic acid.....	2.0 mg
Pyridoxine hydrochloride....	10.0 mg
Thiamine . HCl.....	5.0 mg
Riboflavin.....	5.0 mg
Nicotinic acid.....	5.0 mg
Calcium D-(+)-pantothenate...	5.0 mg
Vitamin B12.....	0.1 mg
p-Aminobenzoic acid.....	5.0 mg
Thioctic acid.....	5.0 mg
Distilled water.....	1.0 L