

ATCC medium: 2332 *Thermotoga petrophila* medium

Instant Ocean.....26.0 g
(NH₄)₂SO₄.....1.0 g
KH₂PO₄0.5 g
Yeast extract.....2.0 g
MOPS (Sigma).....5.0 g
Wolfe's Mineral Solution (see below)....10.0 ml
Wolfe's Vitamin Solution (see below)....10.0 ml
Resazurin.....0.5 mg
Na₂S . 9H₂O0.3 g
Distilled water.....980.0 ml

Dissolve ingredients (except sodium sulfide and vitamin solution) boil medium for 3 minutes, then cool to room temperature under N₂. Dispense under same gas in anaerobic vessels and autoclave. The final pH of the completed medium should be 7.0.

Wolfe's Mineral Solution:

Available from ATCC as a sterile ready-to-use liquid (Trace Mineral Supplement, catalog no. MD-TMS.)

Nitrilotriacetic acid.....1.5 g
MgSO₄ . 7H₂O3.0 g
MnSO₄ . H₂O0.5 g
NaCl.....1.0 g
FeSO₄ . 7H₂O0.1 g
CoCl₂ . 6H₂O0.1 g
CaCl₂.....0.1 g
ZnSO₄ . 7H₂O0.1 g
CuSO₄ . 5H₂O0.01 g
AlK(SO₄)₂ . 12H₂O.....0.01 g
H₃BO₃0.01 g
Na₂MoO₄ . 2H₂O.....0.01 g
Distilled water.....1.0 L

Add nitrilotriacetic acid to approximately 500 ml of water and adjust to pH 6.5 with KOH to dissolve the compound. Bring volume to 1.0 L with remaining water and add remaining compounds one at a time.

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