

ATCC medium: 2636 Thermalkalibacillus uzonensis Medium

NH₄Cl1.00 g
NaCl.....3.60 g
KCl.....1.00 g
Na₂SO₄0.50 g
CaCl₂0.04 g
MgCl₂ . 6H₂O0.04 g
KH₂PO₄0.50 g
K₂HPO₄1.00 g
Wolfe's Mineral Solution (see below).....1.00 ml
Wolfe's Vitamin Solution (see below).....1.00 ml
Yeast extract.....0.50 g
Distilled water.....1.0 L

The pH of the medium should be adjusted to 8.3. Autoclave at 121°C for 15 minutes. Filter sterilize and prepare separately a 2M pyruvate stock solution. Add 100ul of the pyruvate stock solution for every 10ml of media.

Wolfe's Mineral Solution:

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

Nitrilotriacetic acid.....1.500 g
MgSO₄ . 7H₂O3.000 g
MnSO₄ . H₂O0.500 g
NaCl.....1.000 g
FeSO₄ . 7H₂O0.100 g
Co(NO₃)₂ . 6H₂O.....0.100 g
CaCl₂0.100 g
ZnSO₄ . 7H₂O0.100 g
CuSO₄ . 5H₂O0.010 g
AlK(SO₄)₂ . 12H₂O.....0.010 g
H₃BO₃0.010 g
Na₂MoO₄ . 2H₂O.....0.010 g
Na₂SeO₃ (anhydrous)0.001 g
Na₂WO₄ . 2H₂O.....0.010 g
NiCl₂ . 6H₂O0.020 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