

ATCC medium: 1740 Halophile medium III

Solution A:

NaCl.....95.3 g
MgSO₄ . 7H₂O81.3 g
NH₄Cl1.0 g
Glycerol.....5.0 g
Trace Elements Solution SL-10 (see below).....1.0 ml
Wolfe's Vitamin Solution (see below).....10.0 ml
Distilled water to.....900.0 ml

Autoclave Solution A at 121C for 15 minutes. Cool to room temperature.

Solution B:

K₂HPO₄1.0 g
Distilled water.....100.0 ml

Autoclave Solution B at 121C for 15 minutes. Cool to room temperature.
Aseptically combine Solutions A and B. Adjust medium, if necessary, to final pH 7.5.

Trace Elements Solution SL-10:

HCl (25%).....10.0 ml
FeCl₂ . 4H₂O1.5 g
ZnCl₂70.0 mg
MnCl₂ . 4H₂O100.0 mg
H₃BO₃6.0 mg
CoCl₂ . 6H₂O190.0 mg
CuCl₂ . 2H₂O2.0 mg
NiCl₂ . 6H₂O24.0 mg
Na₂MoO₄ . 2H₂O.....36.0 mg
Distilled water.....990.0 ml

Dissolve FeCl₂ in the HCl, dilute with water, add and dissolve the other salts; adjust pH to 6.0 with NaOH, and fill to 1.0 L with distilled water.

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