

ATCC medium: 2098 Haloanaerobacter medium

NaCl.....150.0 g
MgCl₂ . 6H₂O15.0 g
KCl.....3.0 g
NH₄Cl0.5 g
KH₂PO₄0.35 g
CaCl₂ . 2H₂O0.05 g
Yeast extract.....0.1 g
Resazurin (0.1%).....1.0 ml
Trace Elements Solution (SL12)*.....1.0 ml
Selenite-tungstate Solution*.....1.0 ml
NaHCO₃.....2.0 g
Na₂S . 9H₂O Solution*100.0 ml
Wolfe's Vitamin Solution*.....1.0 ml
Distilled water.....900.0 ml

*See below.

Combine ingredients except for Selenite-tungstate Solution, Wolfe's Vitamin Solution, and Na₂S Solution. Adjust pH to 7.3. Autoclave at 121C for 15 minutes. Remove from autoclave and put under 90% N₂, 10% CO₂ and allow to cool. Prepare Na₂S Solution as directed. Aseptically add solutions to sterile basal medium. Dispense to gas-tight containers under gas.

Na₂S Solution:

Na₂S . 9H₂O0.5 g
Distilled water.....100.0 ml

Adjust pH to 7.5 with H₂SO₄. Autoclave at 121C for 15 minutes.

Selenite/Tungstate Solution:

Na₂SO₃ . 5H₂O.....6.0 mg
(3.95 mg if anhydrous Na₂SeO₃ is used)
Na₂WO₄ . 2H₂O.....8.0 mg
NaOH.....0.4 g
Distilled water.....1.0 L

Filter-sterilize under gas. Add aseptically to basal medium.

Trace Elements Solution (SL12):

Ethylendiamine-Tetraacetate (Na-EDTA).....	3.0 g
FeSO ₄ . 7H ₂ O	1.1 g
CoCl ₂ . 6H ₂ O	190.0 mg
MnCl ₂ . 2H ₂ O	50.0 mg
ZnCl ₂	42.0 mg
NiCl ₂ . 6H ₂ O	24.0 mg
Na ₂ MoO ₄ . 2H ₂ O.....	18.0 mg
H ₃ BO ₃	300.0 mg
CuCl ₂ . 2H ₂ O	2.0 mg
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

Filter-sterilize.