

ATCC medium: 1448 Modified *Ectothiorhodospira* medium

KH₂PO₄0.8 g
Sodium acetate.....2.0 g
Na₂SO₄10.0 g
NaCl.....30.0 g
1 M Sodium carbonate buffer, pH 9.0....200.0 ml
SLA Trace Elements (see below).....1.0 ml
VA Vitamins (see below).....1.0 ml
Distilled water.....600.0 ml

Dissolve ingredients in water. Bring volume to 975 ml and autoclave.
Cool and add aseptically the following sterile solutions:

1% MgCl₂ . 6H₂O10.0 ml
1% CaCl₂ . 2H₂O5.0 ml
20% NH₄Cl4.0 ml
5% Na₂S . 9H₂O (freshly prepared)5.0-10.0 ml

Distribute medium immediately into culture bottles. Allow medium to
incubate 2 days prior to inoculation.

SLA Trace Elements:

CoCl₂ . 6H₂O250.0 mg
NiCl₂ . 6H₂O10.0 mg
CuCl₂ . 2H₂O10.0 mg
MnCl₂ . 4H₂O70.0 mg
ZnCl₂100.0 mg
H₃BO₃500.0 mg
Na₂MoO₄ . 2H₂O.....30.0 mg
Na₂SeO₃ . 5H₂O.....10.0 mg
FeCl₂ . 4H₂O1.8 g
Distilled water.....1.0 L

Adjust trace element solution to pH 2-3.

VA Vitamins:

Biotin.....50.0 mg
Nicotinamide.....175.0 mg
Thiamine . HCl.....150.0 mg
p-Aminobenzoic acid.....100.0 mg
Pyridoxine . HCl.....50.0 mg
Calcium D-(+)-pantothenate.....50.0 mg
Cyanocobalamin.....25.0 mg
Distilled water.....500.0 ml