

ATCC medium: 1884 *Thiobacillus aquaesulis* medium

Solution A:

Na₂HPO₄ · 2H₂O.....7.9 g
KH₂HPO₄.....1.5 g
Distilled water.....100.0 ml

Adjust to pH 7.6.

Solution B:

NH₄Cl.....0.4 g
MgSO₄ · 7H₂O.....0.1 g
Na₂S₂O₃.....5.0 g
Trace Metals (see below)....10.0 ml
Phenol red.....3.0 mg
Agar, if necessary.....15.0 g
Distilled water.....900.0 ml

Autoclave solutions A and B separately at 121C for 15 minutes. Mix when cool.

Trace Metals:

EDTA.....50.0 g
ZnSO₄ · 7H₂O.....11.0 g
CaCl₂ · 2H₂O.....7.34 g
MnCl₂ · 4H₂O.....2.5 g
CoCl₂ · 6H₂O.....0.5 g
(NH₄)₂MoO₇.....0.5 g
FeSO₄ · 7H₂O.....5.0 g
CuSO₄ · 5H₂O.....0.2 g
NaOH.....11.0 g
Distilled water.....1.0 L

Adjust trace metals solution to pH 6.0 with H₂SO₄.