

ATCC medium: 1598 *Thermus* enhanced medium

Yeast extract.....2.5 g
Tryptone.....2.5 g
Agar.....28.0 g
Nitrilotriacetic acid.....100.0 mg
CaSO₄ . 2H₂O40.0 mg
MgCl₂ . 6H₂O200.0 mg
0.01 M Fe citrate.....0.5 ml
Trace Element Solution (see below).....0.5 ml
Phosphate Buffer* (see below).....100.0 ml
Distilled water.....900.0 ml

Adjust pH to 7.2 with NaOH. Autoclave at 121C for 15 minutes.

*Autoclave the phosphate buffer separately and then add to the medium.

Phosphate Buffer:

KH₂PO₄5.44 g
Na₂HPO₄ . 12H₂O.....43.0 g
Distilled water.....1.0 L

Adjust pH to 7.2.

Trace Element Solution:

Nitrilotriacetic acid.....12.8 g
FeCl₂ . 4H₂O1.0 g
MnCl₂ . 4H₂O0.5 g
CoCl₂ . 6H₂O0.3 g
CuCl₂ . 2H₂O50.0 mg
Na₂MoO₄ . 2H₂O.....50.0 mg
H₃BO₃20.0 mg
NiCl₂ . 6H₂O20.0 mg
Distilled water.....1.0 L