

ATCC Medium: 1599 Thermus Enhanced Medium w/ 1% NaCl

| | |
|--|----------|
| Yeast Extract..... | 2.5 g |
| Tryptone..... | 2.5 g |
| Nitritotriacetic acid..... | 100.0 mg |
| CaSO ₄ x 2H ₂ O..... | 40.0 mg |
| MgCl ₂ x 6H ₂ O..... | 200.0 mg |
| 0.01 M Ferric citrate..... | 0.5 ml |
| NaCl..... | 10.0 g |
| Trace Element Solution (see below)..... | 0.5 ml |
| Phosphate Buffer Solution (see below)..... | 100.0 ml |
| Agar..... | 15.0 g |
| DI Water..... | 900.0 ml |

Adjust pH to 7.2 with NaOH. Autoclave at 121°C. *Autoclave the phosphate buffer separately and then add to the sterile medium.

Trace Element Solution

| | |
|---|---------|
| Nitritotriacetic acid..... | 12.8 g |
| FeCl ₂ x 4H ₂ O..... | 1.0 g |
| MnCl ₂ x 4H ₂ O..... | 0.5 g |
| CoCl ₂ x 6H ₂ O..... | 0.3 g |
| CuCl ₄ x 2H ₂ O..... | 50.0 mg |
| Na ₂ MoO ₄ x 2H ₂ O..... | 50.0 mg |
| H ₃ BO ₃ | 20.0 mg |
| NiCl ₂ x 6H ₂ O..... | 20.0 mg |
| DI Water..... | 1000 ml |

Phosphate Buffer Solution

| | |
|--|---------|
| KH ₂ PO ₄ | 5.44 g |
| Na ₂ HPO ₄ x 12H ₂ O..... | 43.0 g |
| DI Water..... | 1000 ml |

Adjust pH to 7.2.