

613. THERMOTOGA TF(C) MEDIUM

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|-----------------------------------------------------|--------|----|
| NH ₄ Cl | 0.50 | g |
| K ₂ HPO ₄ | 1.60 | g |
| Na ₂ HPO ₄ x H ₂ O | 1.00 | g |
| NaCl | 7.00 | g |
| MgCl ₂ x 6 H ₂ O | 1.40 | g |
| MgSO ₄ x 7 H ₂ O | 1.96 | g |
| Trace element solution (see medium 141) | 10.00 | ml |
| Yeast extract (OXOID) | 2.00 | g |
| Trypticase peptone (BD BBL) | 2.00 | g |
| Na-resazurin solution (0.1% w/v) | 0.50 | ml |
| D-Glucose | 3.00 | g |
| CaCl ₂ x 2 H ₂ O | 0.06 | g |
| Vitamin solution (see medium 141) | 10.00 | ml |
| L-Cysteine-HCl x H ₂ O | 0.30 | g |
| Na ₂ S x 9 H ₂ O | 0.30 | g |
| Distilled water | 980.00 | ml |

Dissolve ingredients (except glucose, calcium chloride, vitamins and reducing agents), adjust pH to 6.5 – 6.8 and sparge medium with 100% N₂ gas for 30 - 45 min to make it anoxic. Dispense under same gas atmosphere into anoxic Hungate-type tubes or serum vials to 30% of their volume and autoclave. Add glucose, calcium chloride, vitamins (sterilized by filtration), sulfide and cysteine from sterile anoxic stock solutions prepared under 100% N₂ gas atmosphere.

For [DSM 4359](#) replace glucose with 0.50 g/l soluble starch added to the autoclaved medium from a sterile anoxic stock solution prepared under 100% N₂ gas.