

1232. THERMOTOGA TF(D) MEDIUM

NH ₄ Cl	0.50	g
MgSO ₄ x 7 H ₂ O	1.90	g
MgCl ₂ x 6 H ₂ O	1.40	g
K ₂ HPO ₄	1.60	g
Na ₂ HPO ₄ x 2 H ₂ O	1.00	g
NaCl	26.00	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
Soluble starch	5.00	g
CaCl ₂ x 2 H ₂ O	0.56	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	1000.00	ml

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