

688. THERMOTOGA SUBTERRANEA MEDIUM

NaCl	12.00	g
MgSO ₄ x 7 H ₂ O	0.50	g
PIPES (SIGMA)	3.40	g
KCl	2.00	g
NH ₄ Cl	0.10	g
CaCl ₂ x 2 H ₂ O	0.03	g
K ₂ HPO ₄	0.02	g
Trace element solution (see medium 141)	10.00	ml
Yeast extract	0.50	g
Peptone (meat, peptic)	1.00	g
Na-resazurin solution (0.1% w/v)	0.50	ml
Vitamin solution (see medium 141)	10.00	ml
Na ₂ S x 9 H ₂ O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients (except vitamins and sulfide), adjust pH to 7.0 and 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 and autoclave. After sterilization add sulfide from a sterile anoxic stock solution autoclaved under 100% N₂ gas. Vitamins are prepared under 100% N₂ gas and sterilized by filtration. Adjust pH of complete medium to 7.0, if necessary.