

343. THERMOTOGA NEAPOLITANA MEDIUM

Starch, soluble	5.0	g
KH ₂ PO ₄	0.5	g
Trace element solution (see medium 141)	15.0	ml
NiCl ₂ x 6 H ₂ O solution (0.1% w/v)	2.0	ml
Artificial sea water (see below)	250.0	ml
Yeast extract (OXOID)	2.0	g
Na-resazurin solution (0.1% w/v)	0.5	ml
L-Cysteine-HCl x H ₂ O	0.5	g
Na ₂ S x 9 H ₂ O	0.5	g
Distilled water	750.0	ml

Dissolve ingredients (except sulfide and cysteine) and adjust pH to 6.5. Boil medium for 1 min, then cool to room temperature under 100% N₂ gas atmosphere. Dispense under same gas atmosphere into anoxic Hungate-type tubes or serum vials to 30% of volume and autoclave. Add sulfide and cysteine from sterile anoxic stock solutions prepared under 100% N₂ gas. Adjust pH of complete medium to 6.5, if necessary.

Artificial sea water:

NaCl	27.70	g
MgSO ₄ x 7 H ₂ O	7.00	g
MgCl ₂ x 6 H ₂ O	5.50	g
KCl	0.65	g
NaBr	0.10	g
H ₃ BO ₃	30.00	mg
SrCl ₂ x 6 H ₂ O	15.00	mg
Citric acid	10.00	mg
KI	0.05	mg
CaCl ₂ x 2 H ₂ O	2.25	g
Distilled water	1000.00	ml