913. THERMOTOGA PETROPHILA MEDIUM

Artificial sea water (see medium 343) 750.00 ml
(NH₄)₂SO₄ 1.00 g
KH₂PO₄ 0.50 g
Yeast extract 2.00 g
MOPS (SIGMA) 5.00 g
Trace element solution (see medium 141) 10.00 ml
Na-resazurin solution (0.1% w/v) 0.50 ml
Vitamin solution (see medium 141) 10.00 ml
Na₂S x 9 H₂O 0.30 g
Distilled water 240.00 ml

Dissolve ingredients except vitamins and sulfide, adjust pH to 7.0, then 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 vitamins and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas. Vitamins should be sterilized by filtration. Adjust pH of the complete medium to 7.0, if necessary.