

498. PSEUDOTHERMOTOGA MEDIUM

Yeast extract (BD Bacto)	0.50	g
Trace element solution (see medium 141)	15.00	ml
NaCl	3.46	g
Na ₂ -EDTA	0.77	g
MgSO ₄ x 7 H ₂ O	0.88	g
MgCl ₂ x 6 H ₂ O	0.69	g
CaCl ₂ x 2 H ₂ O	0.14	g
KCl	0.08	g
NaBr	12.50	mg
H ₃ BO ₃ solution (0.1% w/v)	4.00	ml
(NH ₄) ₂ Ni(SO ₄) ₂ solution (0.1% w/v)	3.00	ml
SrCl ₂ x 6 H ₂ O solution (0.1% w/v)	1.90	ml
KI solution (0.01% w/v)	0.10	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
KH ₂ PO ₄	0.50	g
Starch, soluble	5.00	g
Na ₂ S x 9 H ₂ O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients (except hydrogenphosphate, starch and sulfide) and adjust pH to 7.0. 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% volume and autoclave. Add hydrogenphosphate, starch and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas. Check pH of the complete medium and adjust to 7.0 – 7.2, if necessary.