

**343a. THERMOSIPHON MELANESIENSIS MEDIUM**

Starch, soluble	5.0	g
KH <sub>2</sub> PO <sub>4</sub>	0.5	g
Trace element solution (see medium 141)	15.0	ml
NiCl <sub>2</sub> x 6 H <sub>2</sub> O solution (0.1% w/v)	2.0	ml
NaCl	20.0	g
Artificial sea water (see medium 343)	250.0	ml
Yeast extract (OXOID)	2.0	g
Na-resazurin solution (0.1% w/v)	0.5	ml
L-Cysteine-HCl x H <sub>2</sub> O	0.5	g
Na <sub>2</sub> S x 9 H <sub>2</sub> 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% N<sub>2</sub> 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% N<sub>2</sub> gas. Adjust pH of complete medium to 6.5, if necessary.