

**1226. THIOHALOCAPSA MARINA MEDIUM**

KH <sub>2</sub> PO <sub>4</sub>	0.50	g
NaCl	20.00	g
NH <sub>4</sub> Cl	0.60	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.15	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	2.00	g
Na pyruvate	3.00	g
NaHCO <sub>3</sub> (10.0% w/v soln)	10.00	ml
Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.14	g
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> x 5 H <sub>2</sub> O	1.49	g
Yeast extract	0.40	g
Ferric citrate (0.1% w/v soln.)	5.00	ml
Trace element solution SL-7	1.00	ml
Vitamin B <sub>12</sub> (20mg/ml)	1.00	ml
Distilled water	1000.00	ml

*Trace element solution SL7:*

HCl (25%, v/v)	1.0	ml
ZnCl <sub>2</sub>	70.0	mg
MnCl <sub>2</sub> x 4 H <sub>2</sub> O	100.0	mg
H <sub>3</sub> BO <sub>3</sub>	60.0	mg
CoCl <sub>2</sub> x 6 H <sub>2</sub> O	200.0	mg
CuCl <sub>2</sub> x 2 H <sub>2</sub> O	20.0	mg
NiCl <sub>2</sub> x 6 H <sub>2</sub> O	20.0	mg
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O	40.0	mg
Distilled water	1000.0	ml

Adjust pH to 6.8.

Prepare the medium without the NaHCO<sub>3</sub>, Na<sub>2</sub>S x 9 H<sub>2</sub>O, Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> x 5 H<sub>2</sub>O and vitamin B<sub>12</sub>, under a nitrogen atmosphere dispense into tubes or bottles fitted with rubber stoppers so that they are half full. Autoclave and add the vitamin B<sub>12</sub> from a filter-sterilised stock solution and the NaHCO<sub>3</sub>, Na<sub>2</sub>S x 9 H<sub>2</sub>O, Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> x 5 H<sub>2</sub>O from sterile stock solutions. The final pH of the medium should be 7.2.

For *Allochromatium phaeobacterium* DSM 19781 reduce the amount of NaCl to 10.0 g/l and increase the amount of NH<sub>4</sub>Cl to 0.64 g/l.