

**1358. THIORHODOCOCCUS MEDIUM**

KH <sub>2</sub> PO <sub>4</sub>	0.50	g
NaCl	10.00	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)	5.00	ml
Na <sub>2</sub> S x 9 H <sub>2</sub> O(24% w/v)	1.00	ml
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> x 5 H <sub>2</sub> O(24 % w/v)	5.00	ml
Yeast extract	0.30	g
Trace element solution SL-8	1.00	ml
Vitamin B <sub>12</sub> (20mg/l)	1.00	ml
Distilled water	1000.00	ml

Bubble the medium with nitrogen gas and fill 10 ml in 15 ml tubes with a rubber septum under a stream of nitrogen gas.

*Micronutrient solution SL8:*

Na <sub>2</sub> x EDTA	5.2	g
FeCl <sub>2</sub> x 4 H <sub>2</sub> O	1.5	g
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>	62.0	mg
CoCl <sub>2</sub> x 6 H <sub>2</sub> O	190.0	mg
CuCl <sub>2</sub> x 2 H <sub>2</sub> O	17.0	mg
NiCl <sub>2</sub> x 6 H <sub>2</sub> O	24.0	mg
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O	36.0	mg
Distilled water	1000.0	ml

Adjust to pH 6.5

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 7.5 ± 0.2.