

**1369. ECTOTHIORHODOSPIRA MAGNA MEDIUM**

KH <sub>2</sub> PO <sub>4</sub>	0.50	g
NaCl	30.00	g
NH <sub>4</sub> Cl	0.50	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	0.20	g
Na-acetate	1.00	g
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	0.50	g
Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.50	g
NaHCO <sub>3</sub>	5.00	g
Na <sub>2</sub> CO <sub>3</sub>	5.00	g
Yeast extract	0.10	g
Vitamin B <sub>12</sub>	10.00	µg
Trace elements solution (see below)	1.00	ml
Distilled water	1000.00	ml

pH 9.0-9.5

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>CO<sub>3</sub> and vitamin B<sub>12</sub>, under a nitrogen atmosphere.

Autoclave and add the vitamin B<sub>12</sub> from a filter-sterilised stock solution and the NaHCO<sub>3</sub> (autoclaved in sealed, half full vessels), Na<sub>2</sub>S x 9 H<sub>2</sub>O, Na<sub>2</sub>CO<sub>3</sub> from sterile stock solutions. The final pH of the medium should be 9.0-9.5.

*Trace elements solution (Pfennig & Lippert, 1966)*

EDTA	5.00	g
FeSO <sub>4</sub> x 7 H <sub>2</sub> O	2.20	g
ZnSO <sub>4</sub> x 7 H <sub>2</sub> O	0.10	g
MnCl <sub>2</sub> x 4 H <sub>2</sub> O	0.03	g
H <sub>3</sub> BO	0.03	g
CoCl <sub>2</sub> x 6 H <sub>2</sub> O	0.20	g
CuCl <sub>2</sub> x 2 H <sub>2</sub> O	0.03	g
NiCl <sub>2</sub> x 6H <sub>2</sub> O	0.03	g
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O	0.03	g
Distilled water	1000.00	ml

pH 3.0-4.0