

**1224. ECTOTHIORHODOSPIRA VARIABILIS MEDIUM**

|  |         |    |
|--|---------|----|
| NaCl   | 50.00   | g  |
| Na <sub>2</sub> CO <sub>3</sub>                                    | 5.00    | g  |
| NaHCO <sub>3</sub>   | 15.00   | g  |
| KCl  | 0.10    | g  |
| K <sub>2</sub> HPO <sub>4</sub>                                    | 0.50    | g  |
| MgCl <sub>2</sub> x 6 H <sub>2</sub> O                             | 0.20    | g  |
| NH <sub>4</sub> Cl   | 0.50    | g  |
| Na <sub>2</sub> S x 9 H <sub>2</sub> O                             | 0.50    | g  |
| Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> x 5 H <sub>2</sub> O | 0.50    | g  |
| Yeast extract  | 0.10    | g  |
| Na acetate   | 0.50    | g  |
| Trace element solution (see medium 320)                            | 1.00    | ml |
| Vitamin B <sub>12</sub>  | 20.00   | µg |
| Distilled water  | 1000.00 | ml |

Final pH 9.0 – 9.5

Prepare and boil the medium in the absence of Na<sub>2</sub>S x 9 H<sub>2</sub>O, NaHCO<sub>3</sub>, Vitamin B<sub>12</sub>, CaCl<sub>2</sub> x 2 H<sub>2</sub>O, MgCl<sub>2</sub> x 6 H<sub>2</sub>O. Cool under a stream of nitrogen and add the remaining components, except vitamin B<sub>12</sub> and Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> x 5 H<sub>2</sub>O. Dispense into tubes or bottle fitted with rubber stoppers and autoclave. Add the vitamin B<sub>12</sub> (filter sterilised) and Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> x 5 H<sub>2</sub>O from sterile stock solutions.