

**1171. METHYLOHALOMONAS MEDIUM**

|  |         |    |
|--|---------|----|
| K <sub>2</sub> HPO <sub>4</sub>                      | 2.00    | g  |
| NH <sub>4</sub> Cl                                   | 0.50    | g  |
| NaCl   | 120.00  | g  |
| MgSO <sub>4</sub> x 7 H <sub>2</sub> O               | 0.50    | g  |
| NaS <sub>2</sub> O <sub>3</sub> x 5 H <sub>2</sub> O | 0.024   | g  |
| Trace elements (SL6, medium 27)                      | 1.00    | ml |
| NaHCO <sub>3</sub>                                   | 1.70    | g  |
| Vitamin B <sub>12</sub>                              | 100.00  | µg |
| Methanol   | 2.00    | ml |
| Distilled water                                      | 1000.00 | ml |

pH 7.5

Prepare the medium without methanol, vitamin B<sub>12</sub>, MgSO<sub>4</sub> x 7 H<sub>2</sub>O, NaHCO<sub>3</sub> and NaS<sub>2</sub>O<sub>3</sub> x 5 H<sub>2</sub>O in closed vessels with a medium to headspace ratio of 1:5 to 1:10. Add the methanol, MgSO<sub>4</sub> x 7 H<sub>2</sub>O, NaHCO<sub>3</sub> and NaS<sub>2</sub>O<sub>3</sub> x 5 H<sub>2</sub>O from autoclaved stock solutions after sterilisation of the medium. Vitamin B<sub>12</sub> is added from a filter sterilised stock solution to the sterile medium. Incubate the strains with shaking at 150 rpm. Growth is faster in the presence of 20mM sodium acetate instead of methanol.