

## 1197. RHODOBACTER /THIOCAPSA MEDIUM

|   |         |    |
|---|---------|----|
| Yeast extract                           | 0.40    | g  |
| Sodium pyruvate                         | 3.00    | g  |
| KH <sub>2</sub> PO <sub>4</sub>         | 0.50    | g  |
| MgCl <sub>2</sub> x 6 H <sub>2</sub> O  | 0.50    | g  |
| NaCl                                    | 0.40    | g  |
| NH <sub>4</sub> Cl                      | 0.60    | g  |
| CaCl <sub>2</sub> x 2 H <sub>2</sub> O  | 0.05    | g  |
| Vitamin B12 (2 mg/l filter sterilised)  | 1.00    | ml |
| Trace element solution SL-7 (see below) | 1.00    | ml |
| Distilled water                         | 1000.00 | ml |

pH 7.2

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

### *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 |

### For DSM 18774

Final pH 7.2

Add the following component after autoclaving from sterile stock solutions:

|  |     |      |
|--|-----|------|
| Sodium pyruvate                        | 3.0 | g/l  |
| Vitamin B12 (2 mg/l filter sterilised) | 1.0 | ml/l |

### For DSM 19780

Substitute 1.0 g/l MgSO<sub>4</sub>·7H<sub>2</sub>O for the MgCl<sub>2</sub>·6H<sub>2</sub>O

Final pH 7.2

Add the following component after autoclaving from sterile stock solutions:

|  |      |      |
|--|------|------|
| Sodium pyruvate  | 3.0  | g/l  |
| Vitamin B12 (2 mg/l filter sterilised)   | 1.0  | ml/l |
| Na <sub>2</sub> S x 9 H <sub>2</sub> O   | 1.0  | mM   |
| Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> x 5 H <sub>2</sub> O                       | 6.0  | mM   |
| NaHCO <sub>3</sub> (10%, autoclaved in sealed, half full vessels under CO <sub>2</sub> ) | 10.0 | ml/l |