

## 123: MARINE AGAR

This recipe contains strain-specific modifications for *Halomonas sp.* DSM 21905 \*

|                            |         |    |
|----------------------------|---------|----|
| <b>Synthetic sea water</b> | 1000.00 | ml |
| Bacto peptone              | 5.00    | g  |
| Yeast extract (Bacto)      | 1.00    | g  |
| Agar                       | 15.00   | g  |

To 1000 ml "Synthetic sea water" (see medium 79) add 5 g Bacto Peptone, 1 g Bacto Yeast extract, and 15 g agar. Alternatively medium 514 may be used.

\* Adjust pH of final medium to 7.5 - 7.9.

### Synthetic sea water

|   |         |    |
|---|---------|----|
| NaCl  | 24.00   | g  |
| MgCl <sub>2</sub> x 6 H <sub>2</sub> O      | 11.00   | g  |
| Na <sub>2</sub> SO <sub>4</sub>             | 4.00    | g  |
| CaCl <sub>2</sub> x 6 H <sub>2</sub> O      | 2.00    | g  |
| KCl   | 0.70    | g  |
| KBr   | 0.10    | g  |
| H <sub>3</sub> BO <sub>3</sub>              | 0.03    | g  |
| NaSiO <sub>3</sub> x 9 H <sub>2</sub> O     | 5.00    | mg |
| SrCl <sub>2</sub> x 6 H <sub>2</sub> O      | 0.04    | g  |
| NaF   | 3.00    | mg |
| NH <sub>4</sub> NO <sub>3</sub>             | 2.00    | mg |
| Fe(III)PO <sub>4</sub> x 4 H <sub>2</sub> O | 1.00    | mg |
| Distilled water                             | 1000.00 | ml |

Adjust pH to 7.8.