

## 514b: MEDIUM 514 plus additional salt

This recipe contains strain-specific modifications for *Halomonas alkaliphila* DSM 16354 \*

Final pH: 7.6

Final volume: 1000 ml

|  |         |     |
|--|---------|-----|
| <b>Main sol. 514</b>                                       | 1000.00 | ml  |
| Agar (adjust in required in range 15-20), for solid medium | 17.50   | g/l |

1. Use medium 514 to which is added NaCl at the concentration indicated (i.e. "514 + 6% NaCl" indicates use medium 514 to which 60 g/l NaCl has been added; see strain dependant modifications).
2. Final pH 7.6. The medium may be solidified by adding 15 - 20 g/l agar.

\* plus 6% NaCl

### Main sol. 514 (from medium 514)

|                                   |         |    |
|-----------------------------------|---------|----|
| Bacto peptone                     | 5.00    | g  |
| Yeast extract (Bacto )            | 1.00    | g  |
| Fe(III) citrate                   | 0.10    | g  |
| NaCl                              | 19.45   | g  |
| MgCl <sub>2</sub> (anhydrous)     | 5.90    | g  |
| Na <sub>2</sub> SO <sub>4</sub>   | 3.24    | g  |
| CaCl <sub>2</sub>                 | 1.80    | g  |
| KCl                               | 0.55    | g  |
| NaHCO <sub>3</sub>                | 0.16    | g  |
| KBr                               | 0.08    | g  |
| SrCl <sub>2</sub>                 | 34.00   | mg |
| H <sub>3</sub> BO <sub>3</sub>    | 22.00   | mg |
| Na-silicate                       | 4.00    | mg |
| NaF                               | 2.40    | mg |
| (NH <sub>4</sub> )NO <sub>3</sub> | 1.60    | mg |
| Na <sub>2</sub> HPO <sub>4</sub>  | 8.00    | mg |
| Distilled water                   | 1000.00 | ml |

Final pH should be 7.6 ± 0.2 at 25°C. If using the complete medium from Difco add 37.40 g to 1 litre water.