

## 58: BIFIDOBACTERIUM MEDIUM

This recipe contains strain-specific modifications for *Pectinatus haikarae* DSM 16980 \*

Final pH: 6.8

Final volume: 1000 ml

|                                        |        |      |
|----------------------------------------|--------|------|
| Casein peptone (tryptic digest)        | 10.00  | g    |
| Yeast extract                          | 5.00   | g    |
| Meat extract                           | 5.00   | g    |
| Bacto Soytone                          | 5.00   | g    |
| Glucose                                | 10.00  | g    |
| K <sub>2</sub> HPO <sub>4</sub>        | 2.00   | g    |
| MgSO <sub>4</sub> x 7 H <sub>2</sub> O | 0.20   | g    |
| MnSO <sub>4</sub> x H <sub>2</sub> O   | 0.05   | g    |
| Tween 80                               | 1.00   | ml   |
| NaCl                                   | 5.00   | g    |
| L-Cysteine HCl x H <sub>2</sub> O      | 0.50   | g    |
| <b>Salt solution</b>                   | 40.00  | ml   |
| Resazurin (25 mg/100ml)                | 4.00   | ml   |
| Haemin                                 | 50.00  | mg/l |
| Na-lactate                             | 5.00   | g/l  |
| Distilled water                        | 950.00 | ml   |

The cysteine are added after the medium has been boiled and cooled under CO<sub>2</sub>. Adjust pH to 6.8 using 8 N NaOH. Distribute under N<sub>2</sub> and autoclave.

\* Plus haemine (50µg/ml) plus Vit K<sub>1</sub> plus Na-lactate (0.5%); anaerobic

### Salt solution

|                                        |         |    |
|----------------------------------------|---------|----|
| CaCl <sub>2</sub> x 2 H <sub>2</sub> O | 0.25    | g  |
| MgSO <sub>4</sub> x 7 H <sub>2</sub> O | 0.50    | g  |
| K <sub>2</sub> HPO <sub>4</sub>        | 1.00    | g  |
| KH <sub>2</sub> PO <sub>4</sub>        | 1.00    | g  |
| NaHCO <sub>3</sub>                     | 10.00   | g  |
| NaCl                                   | 2.00    | g  |
| Distilled water                        | 1000.00 | ml |