

### 31: ALKALINE NUTRIENT AGAR

This recipe contains strain-specific modifications for *Bacillus sp.* DSM 8714 \*

Final pH: 9.7

Final volume: 1000 ml

Peptone	5.00	g
Meat extract	3.00	g
Agar, if necessary	15.00	g
Distilled water	900.00	ml

1. After sterilization add sterile 1 M Na-sesquicarbonate solution (1 ml in 10 ml) to achieve a pH of 9.7

<b>Na-sesquicarbonate solution</b>	100.00	ml
<b>NaCl</b>	5.00	g/l

2. For *Bacillus* strains the addition of 10.0 mg  $\text{MnSO}_4 \times \text{H}_2\text{O}$  is recommended for sporulation.

\* With 0.5% NaCl

#### **Na-sesquicarbonate solution** (from medium 31)

$\text{NaHCO}_3$	4.20	g
$\text{Na}_2\text{CO}_3$ anhydrous	5.30	g
Distilled water	100.00	ml