1446. ALKALISPIRILLUM MOBILE MEDIUM

NaCl                        20.00 g
Na₂S₂O₃                     1.00 g
KH₂PO₄                      0.80 g
Na-acetate                  2.00 g
Yeast extract               1.00 g
Trace elements (see medium 253) 1.00 ml
MgCl₂ x 7 H₂O               0.10 g
CaCl₂ x 2 H₂O              0.05 g
NH₄Cl                      0.80 g
Na₂CO₃                     21.20 g
NaHCO₃ (8 %)                168.00 ml
Distilled water            832.00 ml

We recommend that liquid and solid media be made by autoclaving the Na₂CO₃ separately, otherwise the high pH will cause ammonia to be lost. When making media solidified with agar (20 g/l) the agar should also not be autoclaved with the Na₂CO₃ otherwise the agar will be hydrolysed. When mixing the ingredients for media cool all components to about 55°C otherwise hydrolysis of the agar may occur. Adjust pH after autoclaving by adding the NaHCO₃ (8 %) to pH 9.0. Please note that the NaHCO₃ solution should be filter sterilized.