

1446. ALKALISPIRILLUM MOBILE MEDIUM

NaCl	20.00	g
Na ₂ S ₂ O ₃	1.00	g
KH ₂ PO ₄	0.80	g
Na-acetate	2.00	g
Yeast extract	1.00	g
Trace elements (see medium 253)	1.00	ml
MgCl ₂ x 7 H ₂ O	0.10	g
CaCl ₂ x 2 H ₂ O	0.05	g
NH ₄ Cl	0.80	g
Na ₂ CO ₃	21.20	g
NaHCO ₃ (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.