

1212. MARINOSPIRILLUM CELERE

NH ₄ Cl	0.5	g
KH ₂ PO ₄	0.5	g
NaCl	25.0	g
Na ₂ SO ₄	0.5	g
MgSO ₄ x 7 H ₂ O	0.2	g
KCl	0.5	g
Yeast extract	1.0	g
Peptone	1.0	g
Sodium DL-lactate	1.0	g
Vitamin B ₁₂	15.0	µg
Na ₂ CO ₃	5.0	g
NaHCO ₃	5.0	g
Trace element solution (see below)	1.0	ml
Distilled water	1000.0	ml

Autoclave the Na₂CO₃, NaHCO₃ and the lactate separately from the medium and combine after cooling. Vitamin B12 is added from a sterile stock solution. The final pH of the medium should be 9.5. Add 15.0 g/l agar for solid media.

Trace element solution SL-10:

Distilled water	1000.0	ml
HCl (25%)	7.7	ml
FeSO ₄ x 7 H ₂ O	1.5	g
ZnCl ₂	70.0	mg
MnCl ₂ x 4 H ₂ O	100.0	mg
H ₃ BO ₃	300.0	mg
CoCl ₂ x 6 H ₂ O	190.0	mg
CuCl ₂ x 2 H ₂ O	2.0	mg
NiCl ₂ x 6 H ₂ O	24.0	mg
Na ₂ MoO ₄ x 2 H ₂ O	36.0	mg