

537. HELIOBACILLUS MOBILIS MEDIUM (modified van Niel's medium)

MgSO ₄	0.100	g
EDTA	2.000	mg
Yeast extract	10.000	g
Distilled water	885.000	ml

Adjust pH to 6.8. Boil the medium for few minutes. Fill in tubes with rubber stoppers under nitrogen gas. Fill immediately about 45 ml Sterilize at 121°C for 15 min. Cool to room temperature and aseptically add the following filter-sterilized solutions.

Trace element solution A	1.000	ml
Trace element solution B	10.000	ml
K ₂ HPO ₄ (4 g in 100 ml H ₂ O)	5.000	ml
Na-pyruvate (1.1 g in 100 ml H ₂ O)	100.000	ml

Trace element solution A:

H ₃ BO ₃	2.860	g
MnCl ₂ x 4 H ₂ O	1.810	g
ZnSO ₄ x 7 H ₂ O	0.222	g
Na ₂ MoO ₄ x 2 H ₂ O	0.390	g
CuSO ₄ x 5 H ₂ O	0.079	g
Co(NO ₃) ₂ x 6 H ₂ O	49.400	mg
Distilled water	1000.000	ml

Trace element solution B:

Ferric ammonium citrate	0.200	g
CaCl ₂ x 2 H ₂ O	0.300	g
Distilled water	100.000	ml