

1347. LM-MEDIUM**Mineral Salts Solution:**

KH ₂ PO ₄	10.0	mg
NH ₄ Cl	30.0	mg
MgSO ₄ x 7 H ₂ O	20.0	mg
CaCl ₂ x 2 H ₂ O	20.0	mg
NaCl	30.0	mg
Trace Solution (see below)	1.5	ml
Distilled Water	1000.0	ml

Trace Solution:

EDTA	5.00	g
CuCl ₂ x 5 H ₂ O	0.10	g
FeSO ₄ x 7 H ₂ O	2.00	g
ZnSO ₄ x 7 H ₂ O	0.10	g
NiCl ₂ x 6 H ₂ O	0.02	g
CoCl ₂ x 6 H ₂ O	0.20	g
Na ₂ MoO ₄	0.03	g
Distilled water	1000.00	ml

Prepare the liquid medium. Final pH 5.5-6.5. The medium is fairly weakly buffered so the pH should be checked before and after autoclaving. Dispense the medium into serum bottles. Add 20% methane to the gas phase. Sterilize by autoclaving. The strain should be grown with shaking.