

**1347. M2-MEDIUM****Mineral Salts Solution:**

KNO <sub>3</sub>	0.25	g
KH <sub>2</sub> PO <sub>4</sub>	0.10	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	0.05	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.01	g
NaCl	0.02	g
Trace Solution (see below)	1.00	ml
Distilled Water	1000.0	ml

**Trace Solution:**

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

Prepare the liquid medium. Final pH 5.5. The medium is fairly weakly buffered so the pH should be checked before and after autoclaving. Dispense the medium into serum bottles. Add 10-20% methane to the gas phase. Sterilize by autoclaving. The strain should be grown with shaking.