

**922. METHYLOCAPSA ACIDOPHILA MEDIUM**

KH <sub>2</sub> PO <sub>4</sub>	100.00	mg
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	50.00	mg
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	10.00	mg
Trace elements	1.00	ml
Distilled water	1000.00	ml

*Trace elements:*

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
Distilled water	1000.00	ml

Final pH 4.5-5.8.

The medium is fairly weakly buffered so the pH should be checked before and after autoclaving. In the early stage of growth the strain may form aggregates which break as the culture ages. 10-30% methane is added to the gas phase. Adding 100 mg/litre KNO<sub>3</sub> enhances growth.

The strain should be grown with shaking.