

**1179. NMS MEDIUM FOR METHYLOCYSTIS SP.**

MgSO <sub>4</sub> x 7 H <sub>2</sub> O	1.000	g
CaCl <sub>2</sub> x 6 H <sub>2</sub> O	0.200	g
Fe-EDTA	4.000	mg
KNO <sub>3</sub>	1.000	g
Trace element solution (see medium 632)	0.500	ml
KH <sub>2</sub> PO <sub>4</sub>	0.272	g
Na <sub>2</sub> HPO <sub>4</sub> x 12 H <sub>2</sub> O	0.717	g
Distilled water	1000.000	ml

Adjust pH to 6.8.

Dispense the medium into the growth vessels. If using sealed vessels it is appropriate to add 50% methane to the gas phase Autoclave at 121°C for 15 min.

*Trace element solution:*

Na <sub>2</sub> -EDTA	500.000	mg
FeSO <sub>4</sub> x 7 H <sub>2</sub> O	200.000	mg
ZnSO <sub>4</sub> x 7 H <sub>2</sub> O	10.000	mg
MnCl <sub>2</sub> x 4 H <sub>2</sub> O	3.000	mg
H <sub>3</sub> BO <sub>3</sub>	30.000	mg
CoCl <sub>2</sub> x 6 H <sub>2</sub> O	20.000	mg
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	1.000	mg
NiCl <sub>2</sub> x 6 H <sub>2</sub> O	2.000	mg
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O	3.000	mg
Distilled water	1000.000	ml