

## 1423. METHYLOSINUS MEDIUM MM2

### Mineral Salts Solution:

KNO <sub>3</sub>	0.2	g
KH <sub>2</sub> PO <sub>4</sub>	0.04	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	0.02	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.004	g
Trace Elements	0.2	ml
Distilled Water	1000.0	ml

### Trace elements 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
H <sub>3</sub> BO <sub>3</sub>	0.30	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	0.03	g
Distilled Water	1000.00	ml

Prepare the liquid medium. Adjust to pH 5.0. Dispense the medium into serum bottles under gassing with CH<sub>4</sub> (20% v/v). Sterilize by autoclaving.

For **DSM 29914** use 1 mL of trace elements, 20-50% methane in the headspace, and pH 6.0 (5.2-6.5)

For **DSM 13967** use 1 mL of trace elements, 20% methane in the headspace, and pH 4.5-5.0