

**1568. MEDIUM FOR METHYLOCALDUM (RS11D-PR)**

NaNO <sub>3</sub>	1.00	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	0.10	g
Na <sub>2</sub> HPO <sub>4</sub>	0.50	g
KH <sub>2</sub> PO <sub>4</sub>	0.22	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.03	g
FeSO <sub>4</sub> x 7 H <sub>2</sub> O	2.00	mg
Trace elements (see below)	1.00	ml
Distilled water	1000.00	ml

Medium was adjusted pH 7.0 with NaOH

*Trace elements:*

ZnSO <sub>4</sub> x 7 H <sub>2</sub> O	0.44	g
CuSO <sub>4</sub> x 5 H <sub>2</sub> O	0.20	g
MnSO <sub>4</sub> x 2 H <sub>2</sub> O	0.17	g
Na <sub>2</sub> MoO <sub>4</sub>	0.06	g
H <sub>3</sub> BO <sub>3</sub>	0.10	g
CoCl <sub>2</sub> x 6 H <sub>2</sub> O	0.08	g
Distilled water	1000.00	ml

Dispense the medium into the growth vessels. If using sealed vessels it is appropriate to add 20% methane to the gas phase and autoclave at 121°C for 15 minutes.