

**1396. HALOARCHAEAL MEDIUM MH-1**

L-Glutamic Acid	2.000	g
Trisodium Citrate Dihydrate	2.000	g
KH <sub>2</sub> PO <sub>4</sub>	1.000	g
NH <sub>4</sub> Cl	1.000	g
K <sub>2</sub> SO <sub>4</sub>	5.000	g
NaCl	200.000	g
Casamino Acids	4.000	g
Yeast Extract	2.000	g
FeSO <sub>4</sub> x 6H <sub>2</sub> O	0.004	g
Trace Elements (see below)	2.000	ml
Agar	20.000	g
Distilled Water	800.000	ml

Adjust pH to 4.5-5.0 with.

Adjust to pH 4.5 with 40% KOH and sterilize by autoclaving. The MgCl<sub>2</sub> x 6H<sub>2</sub>O concentration of strain MH1-52-1 (DSM 22442) for well growth is 10.0 mM (20.0 g/l) and for strain MH1-16-3 (DSM 22443 is 500 mM (200.0 g /l).

*Trace Element Solution:*

CoCl <sub>2</sub> x 6 H <sub>2</sub> O	0.30	g
MnCl <sub>2</sub> x 4 H <sub>2</sub> O	0.10	g
ZnCl <sub>2</sub>	0.10	g
H <sub>3</sub> BO <sub>4</sub>	0.02	g
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O	0.10	g
NiCl <sub>2</sub> x 6 H <sub>2</sub> O	0.10	g
CuCl <sub>2</sub> x 6 H <sub>2</sub> O	0.01	g
AlCl <sub>3</sub>	0.04	g
Na <sub>2</sub> WO <sub>4</sub> x 2 H <sub>2</sub> O	0.02	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	1.00	g
BaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.01	g
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> x 5 H <sub>2</sub> O	2.00	g
Distilled Water	1000.00	ml

Adjust to pH 4.0.