

1396: HALOARCHAEAL MEDIUM MH-1

This recipe contains strain-specific modifications for *Halarchaeum acidiphilum* DSM 22442 *

Final pH: 4.5

Final volume: 802 ml

L-Glutamic acid	2.00	g
Trisodium citrate x 2 H ₂ O	2.00	g
KH ₂ PO ₄	1.00	g
NH ₄ Cl	1.00	g
K ₂ SO ₄	5.00	g
NaCl	200.00	g
Casamino acids	4.00	g
Yeast extract	2.00	g
FeSO ₄ x 6 H ₂ O	4.00	mg
Trace Element Solution	2.00	ml
Agar	20.00	g
MgCl ₂ x 6 H ₂ O	20.00	g/l
Distilled water	800.00	ml

Adjust to pH 4.5 with 40% KOH and sterilize by autoclaving.

* The MgCl₂ x 6H₂O concentration of strain MH1-52-1 ([DSM 22442](#)) for well growth is 10.0 mM (20.0 g/l).

Trace Element Solution (from medium 1396)

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

Adjust to pH 4.0.