

**ATCC medium: 1775 *Archaeoglobus* medium (DSM 399)**

KCl.....	0.34 g
MgCl <sub>2</sub> . 6H <sub>2</sub> O .....	4.0 g
MgSO <sub>4</sub> . 7H <sub>2</sub> O .....	3.45 g
NH <sub>4</sub> Cl .....	0.25 g
CaCl <sub>2</sub> . 2H <sub>2</sub> O .....	0.14 g
K <sub>2</sub> HPO <sub>4</sub> .....	0.14 g
NaCl.....	18.0 g
NaHCO <sub>3</sub> .....	5.0 g
Yeast Extract (BD 212750).....	0.5 g
Sodium lactate.....	1.5 g
Fe(NH <sub>4</sub> ) <sub>2</sub> (SO <sub>4</sub> ) <sub>2</sub> . 7H <sub>2</sub> O .....	2.0 mg
Trace Elements Solution (see below).....	10.0 ml
Resazurin.....	1.0 mg
Na <sub>2</sub> S . 9H <sub>2</sub> O .....	0.5 g
Distilled water.....	1.0 L

Dissolve ingredients except sodium bicarbonate and sodium sulfide. Boil for 3 minutes; then cool quickly to room temperature while gassing with 80% N<sub>2</sub>, 20% CO<sub>2</sub>. Add sodium bicarbonate and adjust to pH 6.9. Dispense anaerobically under the same gas phase and pressurize sealed containers up to 2 bar. Autoclave at 121C for 15 minutes. Prior to inoculation add sodium sulfide from an anaerobic, neutral stock solution.

*Trace Elements Solution:*

Nitrilotriacetic acid.....	1.5 g
MgSO <sub>4</sub> . 7H <sub>2</sub> O .....	3.0 g
MnSO <sub>4</sub> . 2H <sub>2</sub> O .....	0.5 g
NaCl.....	1.0 g
FeSO <sub>4</sub> . 7H <sub>2</sub> O .....	0.1 g
CoSO <sub>4</sub> . 7H <sub>2</sub> O .....	0.18 g
CaCl <sub>2</sub> . 2H <sub>2</sub> O .....	0.1 g
ZnSO <sub>4</sub> . 7H <sub>2</sub> O .....	0.18 g
CuSO <sub>4</sub> . 5H <sub>2</sub> O .....	0.01 g
KAl(SO <sub>4</sub> ) <sub>2</sub> . 12H <sub>2</sub> O.....	0.02 g
H <sub>3</sub> BO <sub>3</sub> .....	0.01 g
Na <sub>2</sub> MoO <sub>4</sub> . 2H <sub>2</sub> O.....	0.01 g
NiCl <sub>2</sub> . 6H <sub>2</sub> O .....	0.025 g
Na <sub>2</sub> SeO <sub>3</sub> . 5H <sub>2</sub> O.....	0.3 mg
Distilled water.....	1.0 L

Add nitrilotriacetic acid to approximately 500 ml distilled water and dissolve by adjusting to pH 6.5 with KOH. Add remaining salts. Bring volume to 1.0 L with additional distilled water. Adjust solution to pH 7.0 with KOH.