

ATCC medium: 1558 *Desulfurococcus* medium

Solution A:

(NH₄)₂SO₄.....1.3 g
KH₂PO₄0.28 g
MgSO₄ . 7H₂O0.25 g
CaCl₂ . 2H₂O0.07 g
FeSO₄ . 7H₂O28.0 mg
MnCl₂ . 4H₂O1.8 mg
Na₂B₄O₇ . 10H₂O4.5 mg
ZnSO₄ . 7H₂O220.0 mcg
CuCl₂ .2H₂O50.0 mcg
Na₂MoO₄ . 2H₂O30.0 mcg
VOSO₄ . 2H₂O30.0 mcg
CoSO₄ . 7H₂O10.0 mcg
Distilled water.....300.0 ml

Autoclave at 121C for 15 minutes. Equilibrate under nitrogen gas.

Solution B:

Sulphur.....5.0 g
Distilled water.....450.0 ml

Autoclave at 100C for 30 minutes for 3 consecutive days. Equilibrate under nitrogen gas.

Solution C:

Tryptone (BD 211705).....2.0 g
Yeast extract.....2.0 g
Resazurin.....1.0 mg
Distilled water.....500.0 ml

Autoclave at 121C for 15 minutes. Equilibrate under nitrogen gas.

Solution D:

Na₂S . 9H₂O0.5 g
Distilled water.....50.0 ml

Autoclave at 121C for 15 minutes under nitrogen gas. Aseptically combine Solutions A through D under nitrogen gas. Seal containers with butyl rubber stoppers.

