

**ATCC Medium: 2686 Medium for *Nautilia profundicola* BAA-1463**

NaCl.....	20.00 g
MgCl <sub>2</sub> ·6H <sub>2</sub> O.....	3.00 g
CaCl <sub>2</sub> ·2H <sub>2</sub> O.....	0.15 g
KCl.....	0.50 g
NH <sub>4</sub> Cl.....	0.25 g
KH <sub>2</sub> PO <sub>4</sub> .....	0.20 g
Trace Elements (ATCC).....	1.00 ml
Selenite-tungstate.....	1.00 ml
Vitamins (ATCC).....	1.00 ml
Resazurin.....	0.015g
NaHCO <sub>3</sub> .....	30.00 ml of a 1M solution
Na <sub>2</sub> S.....	0.2M
S <sup>0</sup> (Sulfur Powder).....	5.00 g
DI WATER.....	1 L

Head space, 80:20 H<sub>2</sub>/CO<sub>2</sub>

Adjust pH to 7 – 7.5 with 2m HCl

Formate can be added to the medium at a final concentration of 10 to 20 mM for increased growth rate.

Trace Elements: \*Available from ATCC as a sterile ready-to-use liquid (Trace Mineral Supplement, catalog no. MD-TMS.)

ZnSO <sub>4</sub> ·7H <sub>2</sub> O.....	0.10 g
MnCl <sub>2</sub> ·4H <sub>2</sub> O.....	0.03 g
H <sub>3</sub> BO <sub>3</sub> .....	0.3 g
CoCl <sub>2</sub> ·6H <sub>2</sub> O.....	0.2 g
CuCl <sub>2</sub> ·2H <sub>2</sub> O.....	0.01 g
NiCl <sub>2</sub> ·6H <sub>2</sub> O.....	0.02 g
Na <sub>2</sub> MoO <sub>4</sub> ·H <sub>2</sub> O.....	0.03 g
Distilled water.....	1.0 L

*Adjust final pH of Trace Elements Solution SL-6 to 3.4*

Selenite-tungstate solution:

NaOH.....	0.5 g
Na <sub>2</sub> SeO <sub>3</sub> ·5H <sub>2</sub> O.....	3.0 mg
Na <sub>2</sub> WO <sub>4</sub> ·2H <sub>2</sub> O.....	4.0 mg
Distilled water.....	1.0 liter

Vitamins: Available from ATCC as a sterile ready-to-use liquid (Vitamin Supplement, catalog no. MD-VS).

Biotin.....	2.0 mg
Folic acid.....	2.0 mg
Pyridoxine HCl.....	10.0 mg
Thiamine HCl.....	5.0 mg

Riboflavin.....5.0 mg  
Nicotinic acid.....5.0 mg  
Calcium D-(+)-pantothenate....5.0 mg  
Cyanocobalamine.....100.0 mcg  
*p*-Aminobenzoic acid.....5.0 mg  
Thioctic acid.....5.0 mg  
Distilled water.....1.0L