

ATCC medium: 1405 HESNW medium

Natural seawater.....1.0 L
Enrichment Solution (see below)...10.0 ml
Vitamin Solution (see below).....1.0 ml

Filter-sterilize 2-month-old seawater. Aseptically combine above components.

Enrichment Solution:

EDTA . 2H₂O.....0.553 g
NaNO₃.....4.667 g
Na₂SiO₃ . 9H₂O.....3.000 g
Sodium glycerophosphate.....0.667 g
H₃BO₃.....0.380 g
Fe(NH₄)₂(SO₄)₂ . 6H₂O.....0.234 g
FeCl₃ . 6H₂O.....0.016 g
MnSO₄ . 4H₂O.....0.054 g
ZnSO₄ . 7H₂O.....7.3 mg
CoSO₄ . 7H₂O.....1.6 mg
Distilled water.....1.0 L

Neutralize Na₂SiO₃ with 1 N HCl. Combine ingredients in order listed. Filter-sterilize.

Vitamin Solution:

Thiamine.....0.1 g
Vitamin B12.....2.0 mg
Biotin.....1.0 mg
Distilled water.....1.0 L

Filter-sterilize.