ATCC medium: 1728 Enriched Isonema medium

ATCC medium 1405 (see below) with 10% heat-inactivated horse serum added aseptically just before use.

**ATCC Medium 1405:**
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.