

**ATCC medium: 1195 Dinoflagellate medium**

Add 2.0 ml autoclaved Basal Solution to 100 ml of autoclaved seawater. Seawater is prepared by adding 90 ml distilled water to 1010 ml seawater. Dispense medium aseptically in 5.0 ml aliquots to 20 X 150 mm screw-capped test tubes.

*Basal Solution:*

NaNO <sub>3</sub> .....	350.0 mg
Sodium glycerophosphate . 6H <sub>2</sub> O .....	50.0 mg
Vitamin B12 .....	10.0 mcg
Thiamine .....	0.5 mg
Biotin .....	5.0 mcg
Tris Buffer (Sigma T4503) pH 7.8 .....	500.0 mg
Fe Solution (see below) .....	25.0 ml
Metal mix (see below) .....	25.0 ml
Distilled water to .....	100.0 ml

Adjust final pH to 7.8.

*Fe Solution:*

Fe (NH <sub>4</sub> ) <sub>2</sub> (SO <sub>4</sub> ) <sub>2</sub> . 6H <sub>2</sub> O .....	351.0 mg
EDTA .....	330.0 mg
Distilled water .....	500.0 ml

*Metal Mix:*

EDTA .....	100.0 mg
FeCl <sub>3</sub> . 6H <sub>2</sub> O .....	4.9 mg
MnSO <sub>4</sub> . 4H <sub>2</sub> O .....	16.4 mg
H <sub>3</sub> BO <sub>3</sub> .....	114.0 mg
ZnSO <sub>4</sub> . 7H <sub>2</sub> O .....	2.2 mg
CoSO <sub>4</sub> . 7H <sub>2</sub> O .....	0.48 mg
Distilled water .....	25.0 ml

Dissolve metals in distilled water in the order listed. Adjust metal mixture to a final pH of 7.5.