

**ATCC medium: 1194 DV medium**

NaCl.....1.8 g  
KCl.....60.0 mg  
MgSO<sub>4</sub> . 7H<sub>2</sub>O .....0.5 g  
NaNO<sub>3</sub> .....50.0 mg  
CaCl<sub>2</sub> .....10.0 mg  
TRIS.....100.0 mg  
Na<sub>2</sub>SiO<sub>3</sub> . 9H<sub>2</sub>O.....20.0 mg  
K<sub>2</sub>HPO<sub>4</sub> .....3.0 mg  
Metal Mix (see below).....3.0 ml  
FeCl<sub>2</sub>.....0.01 mg  
NTA.....10.0 mg  
Vitamin B12.....0.3 mcg  
Vitamin Mix (see below).....0.1 ml  
Charcoal-filtered seawater to....100.0 ml

Autoclave at 121C for 15 minutes without the Vitamin Mix. Aseptically add Vitamin Mix when cool and dispense in 5.0 ml quantities to 20 X 150 mm screw-capped test tubes.

*Metal Mix:*

EDTA.....25.0 mg  
FeCl<sub>2</sub> .....0.25 mg  
H<sub>3</sub>BO<sub>3</sub> .....0.5 mg  
MnCl<sub>2</sub> .....1.0 mg  
ZnCl<sub>2</sub> .....125.0 mcg  
CoCl<sub>2</sub> .....25.0 mcg  
Distilled water to.....25.0 ml

*Vitamin Mix:*

Thiamine . HCl.....20.0 mg  
Biotin.....50.0 mcg  
B12.....5.0 mcg  
Folic acid.....0.025 mg  
p-Aminobenzoic acid.....1.0 mg  
Nicotinic acid.....10.0 mg  
Thymine.....50.0 mg  
Inositol.....100.0 mg  
Putrescine . 2HCl.....4.0 mg  
Riboflavin.....0.5 mg  
Pyridoxamine . 2HCl.....2.0 mg  
Orotic acid.....26.0 mg  
Folinic acid.....20.0 mcg  
Calcium D-(+)-pantothenate.....10.0 mg  
Pyridoxine . HCl.....4.0 mg  
Distilled water.....100.0 ml

Filter-sterilize and store Vitamin Mix frozen in small aliquots.