

# Erdschreiber's Medium Recipe

## Directions

Modified from the original Plymouth seawater recipe. General purpose marine medium for xenic cultures [for bacteria-free cultures see reprints in Rosowski & Parker (1971)].

For 3 L Total

1. To 3 L of pasteurized filtered seawater (30 ppt) aseptically add each of the sterile components in the order specified.
2. Vigorously swirl the contents of the flask to mix thoroughly.
3. Store at refrigerator temperature.

#	Component	Amount	Stock Solution Concentration	Final Concentration
1	<a href="#">Pasteurized Seawater</a>	3 L		
2	<a href="#">P-IV Metal Solution</a>	36 mL/3 L		
3	NaNO <sub>3</sub> (autoclave before adding) (Fisher BP360-500)	10 mL/3 L	0.7 M	2.3 mM
4	Na <sub>2</sub> HPO <sub>4</sub> ·7H <sub>2</sub> O (autoclave before adding) (Sigma S-9390)	10 mL/3 L	0.02 M	0.067 mM
5	<a href="#">Soilwater: GR+ Medium</a>	150 mL/3 L		
6	<a href="#">Vitamin B<sub>12</sub></a>	3 mL/3 L		