

2X Erdschreiber's Medium

Erdschreiber's Medium made with Supplemented Seawater instead of Pasteurized Seawater.

Directions

For 3 L Total

1. To 3 L of pasteurized supplemented seawater (60 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	Supplemented Seawater	3 L		
2	P-IV Metal Solution	36 mL		
3	NaNO ₃ (autoclave before adding) (Fisher BP360-500)	10 mL	0.7 M	2.3 mM
4	Na ₂ HPO ₄ ·7H ₂ O (autoclave before adding) (Sigma S-9390)	10 mL	0.02 M	0.067 mM
5	Soilwater: GR+ Medium	150 mL		
6	Vitamin B ₁₂ Solution	3 mL		