

8 ppt F/2 Medium Recipe

Directions

For 1 L Total

1. Dilute 1 Liter of seawater to 8 ppt.
2. To approximately 950 mL of the non-pasteurized seawater (8 ppt), add each of the components in the order specified (except vitamins) while stirring continuously.
3. Bring total volume to 1 L with remaining non-pasteurized seawater (8 ppt).
 - *For 1.5% agar medium add 15 g of agar into the flask; do not mix.*
4. Cover and autoclave medium.
5. When cooled add sterile vitamins.
 - *For agar medium add vitamins, mix, and dispense before agar solidifies.*
6. Store at refrigerator temperature.

#	Component	Amount	Stock Solution Concentration	Final Concentration
1	NaNO ₃ (Fisher BP360-500)	1 mL	7.5 g/100 mL dH ₂ O	880 μM
2	NaH ₂ PO ₄ •H ₂ O (MCIB 742)	1 mL	0.5 g/100 mL dH ₂ O	36 μM
3	Na ₂ SiO ₃ •9H ₂ O (Sigma 307815)	1 mL	3 g/100 mL dH ₂ O	106 μM
4	Trace Metals Solution	1 mL/L		
5	Vitamin B ₁₂	1 mL/L		
6	Biotin Vitamin Solution	1 mL/L		
7	Thiamine Vitamin Solution	1 mL/L		