

5% F/2 Medium Recipe

Directions

For marine algae that require salinities at 48 ppt.

For 1 L Total

1. Dissolve 15 g of natural sea-salt in approximately 900 mL of non-pasteurized seawater (30-35 ppt).
 2. Add each of the components in the order specified (except vitamins) while stirring continuously.
 3. Bring total volume to 1 L with non-pasteurized seawater.
- *For 1.5% agar medium add 15 g of agar into the flask; do not mix.
4. Cover and autoclave medium.
 5. Store at refrigerator temperature.

#	Component	Amount	Stock Solution Concentration	Final Concentration
1	Seawater (non-sterilized)	1 L		
2	Natural sea-salt	15 g/L		
3	NaNO ₃ (Fisher BP360-500)	1 mL	7.5 g/100 mL dH ₂ O	880 μM
4	NaH ₂ PO ₄ ·H ₂ O(MCIB 742)	1 mL	0.5 g/100 mL dH ₂ O	36 μM
5	Na ₂ SiO ₃ ·9H ₂ O (Sigma 307815)	1 mL	2 g/100 mL dH ₂ O	70 μM
6	Trace Metals Solution	1 mL/L		
7	Vitamin B₁₂	1 mL/L		
8	Biotin Vitamin Solution	1 mL/L		
9	Thiamine Vitamin Solution	1 mL/L		