

Snow Algae Media Recipe

Directions

Suitable for snow algae collection.

For 1 L Total

1. To approximately 500 mL of dH₂O, add each of the components in the order specified while stirring continuously.
 2. Bring the total volume to 1 L with dH₂O, pH is 5.1-5.3.
- *For 1.5% agar medium add 15 g of agar into the flask; do not mix.
3. Cover and autoclave medium.
 4. Store at refrigerator temperature.

#	Component	Amount	Stock Solution Concentration	Final Concentration
1	CaCl ₂ ·2H ₂ O (Sigma C-3881)	1 mL/L	0.5 g/100 mL dH ₂ O	0.03 mM
2	NaNO ₃ (Fisher BP360-500)	1 mL/L	2.5 g/100 mL dH ₂ O	0.29 mM
3	NH ₄ Cl (Fisher A 649-500)	1 mL/L	0.5 g/100 mL dH ₂ O	0.093 mM
4	CaSO ₄ ·2H ₂ O (Mallinckroft 4300)	1 mL/L	0.4 g/100 mL dH ₂ O	0.023 mM
5	MgSO ₄ ·7H ₂ O (Sigma 230391)	1 mL/L	0.5 g/100 mL dH ₂ O	0.02 mM
6	Na ₂ SiO ₃ ·9H ₂ O (Sigma 307815)	1 mL/L	0.2 g/100 mL dH ₂ O	0.007 mM
7	FE EDTA	250 mL/L		
8	Minor Nutrients	10 mL/L		
9	K ₂ HPO ₄ (Sigma P 3786)	2 mL	3.48 g/100 mL dH ₂ O	0.4 mM
10	KH ₂ PO ₄ (Sigma P 0662)	98 mL	2.72 g/100 mL dH ₂ O	0.02 M