

Desmid Medium Recipe

Directions

Modification of Pringsheim's desmidiacean medium.

For 1 L Total

1. To approximately 900 mL of dH₂O add each of the components in the order specified while stirring continuously.

2. Bring total volume to 1 L with dH₂O.

*For 1.5% agar medium pour 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	Soilwater: GR+ Medium	50 mL/L		
2	MgSO ₄ ·7H ₂ O (Sigma 230391)	10 mL/L	0.2 g/200 mL dH ₂ O	0.04 mM
3	K ₂ HPO ₄ (Sigma P 3786)	10 mL/L	0.2 g/200 mL dH ₂ O	0.057 mM
4	KNO ₃ (Baker 3190)	10 mL/L	2 g/200 mL dH ₂ O	0.99 mM