

Cyanidium Medium Recipe

Directions

Modification of the SAG medium. Suitable for 2393 Cyanidium caldarium.

For 500 mL Total

1. To approximately 200 mL of dH₂O add each of the components in the order specified while stirring continuously.
2. Adjust the pH to 2.7.
3. Continue recipe for agar or liquid.

For agar:

- * a. Bring the total volume to 250 mL with dH₂O.
- * b. In a separate container add 7.5 g of agar into 250 mL of dH₂O, do not mix.
- * c. Steam both solutions for 15 minutes and put in a 50°C water bath.
- * d. Add containers together aseptically and dispense before it solidifies.

For liquid:

- * a. Bring the total volume to 500 mL with dH₂O.
- * b. Cover and autoclave medium.
- * c. Store at refrigerator temperature.

#	Component	Amount	Stock Solution Concentration	Final Concentration
1	(NH ₄) ₂ SO ₄ (Fisher A 702)	0.5 g/500 mL		3.78 mM
2	K ₂ HPO ₄ (Sigma P 3786)	0.01 g/500 mL		0.057 mM
3	MgSO ₄ ·7H ₂ O (Sigma 230391)	0.01 g/500 mL		0.041 mM
4	Soilwater: GR+ Medium	15 mL		

