

Waris Medium Recipe

Directions

Modification of the original recipe. Suitable for xenic cultures of some desmids.

For 1 L Total

1. To approximately 900 mL of dH₂O, add each of the components in the order specified while stirring continuously.
2. Adjust the pH to 6.0.
3. Bring the total volume to 1 L with dH₂O.
4. Cover and autoclave medium.

#	Component	Amount	Stock Solution Concentration	Final Concentration
1	KNO ₃ (Baker 3190)	1 mL/L	10 g/100 mL dH ₂ O	0.99 mM
2	MgSO ₄ ·7H ₂ O (Sigma 230391)	1 mL/L	2 g/100 mL dH ₂ O	0.081 mM
3	(NH ₄) ₂ HPO ₄ (Fisher A686)	1 mL/L	2 g/100 mL dH ₂ O	0.151 mM
4	CaSO ₄ ·2H ₂ O (Mallinckroft 4300)	30 mL/L	0.2 g/100 mL dH ₂ O	0.35 mM
5	P-IV Metal Solution	6 mL/L		