

BG-11 Trace Metals Solution Recipe

Directions

For 1 L Total

1. To approximately 900 mL of dH₂O add the components in the order specified while stirring continuously.
2. Bring total volume to 1 L with dH₂O.
3. Store at refrigerator temperature.

| # | Component | Amount | Stock Solution Concentration | Final Concentration |
|---|--|-----------|------------------------------|---------------------|
| 1 | H ₃ BO ₃ (Baker 0084) | 2.86 g/L | | 46 mM |
| 2 | MnCl ₂ ·4H ₂ O (Baker 2540) | 1.81 g/L | | 9 mM |
| 3 | ZnSO ₄ ·7H ₂ O (Sigma Z 0251) | 0.22 g/L | | 0.77 mM |
| 4 | Na ₂ MoO ₄ ·2H ₂ O (J.T. Baker 3764) | 0.39 g/L | | 1.6 mM |
| 5 | CuSO ₄ ·5H ₂ O (MCIB 3M11) | 0.079 g/L | | 0.3 mM |
| 6 | Co(NO ₃) ₂ ·6H ₂ O (Mallinckroft 4544) | 49.4 mg/L | | 0.17 mM |