

G9 Trace Metals for J medium Recipe

Directions

For 1 L Total

1. To approximately 900 mL dH₂O, add the following components in the order listed 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)	3.25 g/L		0.053 mM
2	MnSO ₄ ·H ₂ O (Sigma M8179)	1.5 g/L		8.6 μM
3	ZnSO ₄ ·7H ₂ O (Sigma Z 0251)	0.3 g/L		1 μM
4	(NH ₄) ₆ Mo ₇ O ₂₄ ·4H ₂ O (Mallinckrodt 3420)	0.08 g/L		0.065 μM
5	CuSO ₄ ·5H ₂ O (MCIB 3M11)	0.05 g/L		0.2 μM
6	Co(NO ₃) ₂ ·6H ₂ O (Mallinckroft 4544)	0.15 g/L		0.52 μM
7	KI (Sigma P 4286)	0.01 g/L		0.06 μM