

DAS Vitamin Cocktail Recipe

Directions

For 100 mL Total

1. To approximately 85 mL of dH₂O add Tricine while stirring continuously.
2. Adjust the pH to 8.0.
3. Add each of the remaining components in the order listed.
4. Bring total volume to 100 mL with dH₂O.
5. Sterilize the vitamin cocktail by filtration through a 0.45 µm Millipore filter.
6. Store in the dark at freezer temperature.

#	Component	Amount	Stock Solution Concentration	Final Concentration
1	Tricine (adjust to pH 8) (Sigma T-5816-256)	0.9 g/100 mL		
2	Thiamine (Sigma T-1270)	0.067 g/100 mL		0.99 µM
3	Biotin (Sigma B-4639)	0.001 g/100 mL		0.02 µM
4	Vitamin B ₁₂ (add after autoclaving) (Sigma V-6629)	0.0008 g/100 mL		0.0029 µM
5	Pantothenate (Sigma P-2250)	0.002 g/100 mL		0.046 µM
6	PABA (p-aminobenzoic acid) (Sigma A-1174)	0.004 g/100 mL		0.15 µM