

Spir solution 2 Recipe

Directions

For 500 mL Total

1. To approximately 450 mL of dH₂O, add the following components (except vitamins) in the order listed while stirring continuously.
2. Bring total volume to 500 mL with dH₂O.
3. Autoclave medium.
4. Add vitamin B₁₂.

#	Component	Amount	Stock Solution Concentration	Final Concentration
1	NaNO ₃ (Fisher BP360-500)	2.5 g/500 mL		29.4 mM
2	K ₂ SO ₄ (Sigma P 4042)	1 g/500 mL		5.74 mM
3	NaCl (Fisher S271-500)	1 g/500 mL		17.1 mM
4	MgSO ₄ ·7H ₂ O (Sigma 230391)	0.2 g/500 mL		0.81 mM
5	CaCl ₂ ·2H ₂ O (Sigma C-3881)	0.04 g/500 mL		0.27 mM
6	P-IV Metal Solution	6 mL/0.5 L		
7	Chu Micronutrient Solution	1 mL/0.5 L		
8	Vitamin B₁₂	1 mL/0.5 L		