

Contents

1	NaNO ₃ (Fisher BP360-500)	4.7 g/2 L	34 mM
2	Na ₂ glycerophosphate.5H ₂ O (Sigma G 6501)	0.7 g/2 L	1.6 mM
3	ES Fe Solution	325 mL/2 L	
4	P-II Metal Solution	325 mL/2 L	
5	HEPES buffer (Sigma H-3375)	6.5 g/2 L	14 mM
6	Vitamin B ₁₂	3 mL/2 L	
7	Biotin Vitamin Solution	3 mL/2 L	
8	Thiamine Vitamin Solution	3 mL/2 L	

Fe-solution

1	Fe(NH ₄) ₂ (SO ₄) ₂ ·6H ₂ O (Sigma F-1513)	1.4 g/2 L	
2	Na ₂ EDTA·2H ₂ O (Sigma ED255)	1.2 g/2 L	1.6 mM

PII metals

1	Na ₂ EDTA·2H ₂ O (Sigma ED255)	0.1 g/100 mL	
2	H ₃ BO ₃ (Baker 0084)	0.114 g/100 mL	
3	FeCl ₃ ·6H ₂ O (Sigma 1513)	4.9 mg/100 mL	0.018 mM
4	MnSO ₄ ·H ₂ O (Sigma M8179)	16.4 mg/100 mL	0.097 mM
5	ZnSO ₄ ·7H ₂ O (Sigma Z 0251)	2.2 mg/100 mL	0.007 mM
6	CoCl ₂ ·6H ₂ O (Sigma C-3169)	0.48 mg/100 mL	0.002 mM

Vitamin

1	HEPES buffer pH 7.8 (Sigma H-3375)	2.4 g/200 mL dH ₂ O	
2	Vitamin B ₁₂ (cyanocobalamin, (Sigma V-6629)	0.027 g/200 mL dH ₂ O	

1	HEPES buffer pH 7.8 (Sigma H-3375)	2.4 g/200 mL dH ₂ O	
2	Biotin (Sigma B-4639)	0.005 g/200 mL dH ₂ O	

1	HEPES buffer pH 7.8 (Sigma H-3375)	1.2 g/100 mL dH ₂ O	
2	Thiamine (Sigma T-1270)	0.11 g/100 mL dH ₂ O	