

SP (Spirulina Medium)

Some marine cyanobacteria

Stocks	per litre
(1) Micronutrient solution	
ZnSO ₄ .7H ₂ O	0.001 g
MnSO ₄ .7H ₂ O	0.002 g
H ₃ BO ₃	0.010 g
Na ₂ MoO ₄ .2H ₂ O	0.001 g
Co(NO ₃) ₂ .6H ₂ O	0.001 g
CuSO ₄ .5H ₂ O	0.00005 g
FeSO ₄ .7H ₂ O	0.70 g
EDTANa ₂	0.80 g
May be stored frozen at -20° C.	
(2) Vitamin solution	
Biotin	0.0002 g
Calcium pantothenate	0.02 g
Cyanocobalamin	0.004 g
Folic acid	0.0004 g
Inositol	1.00 g
Nicotinic acid	0.02 g
Thiamine HCl	0.10 g
Thymine	0.60 g
May be stored frozen at -20 C.	

Medium

This medium is made up in 2 parts to reduce precipitation when autoclaving. For each part add the components to around 900 mls deionised water and then top up to 1 litre with deionised water.

Part 1	per litre
NaHCO ₃	27.22 g
Na ₂ CO ₃	8.06 g
K ₂ HPO ₄	1.00 g
Part 2	per litre
NaNO ₃	5.00 g
K ₂ SO ₄	2.00 g
NaCl	2.00 g
MgSO ₄ .7H ₂ O	0.40 g
CaCl ₂ .2H ₂ O	0.02 g
FeSO ₄ .7H ₂ O	0.02 g
EDTANa ₂	0.16 g
Micronutrient solution (1)	10.0 ml
Vitamin solution (2)	5.00 ml
	per litre final medium
Part 1	500.0 ml
Part 2	500.0 ml

Autoclave parts 1 and 2 separately at 15 psi, allow to cool then mix 1:1 aseptically.