

1593. Cyanobacteria Medium BG11+

Minerals	Volume [ml/l]	Stock Solutions [g/l]
Mg(SO ₄) x 7H ₂ O	10	7.5
CaCl ₂ x 2H ₂ O	10	3.6
Na ₃ -citrate x 2H ₂ O	10	0.6
Na ₂ -EDTA x 2H ₂ O	10	0.1
Trace metal mix	1.0	-

Adjust to 1000 ml with H₂O dist. and autoclave.

After cooling, add the following filter sterilized components

Minerals	Volume [ml/l]	Stock Solutions [g/l]
NaNO ₃	5.0	300
BG11-Mix	2.0	-
Vitamine B12	1.0	0.02

		[g/l]
BG11-Mix	K ₂ HPO ₄ x 3H ₂ O	20
	Na ₂ CO ₃	10
	Fe-NH ₄ -citrate	3.0

		[g/l]	[ml/l]	
Trace metal Mix	H ₃ BO ₃	2.9	<-	
	MnCl ₂ x 4H ₂ O	1.81	<-	
	ZnSO ₄ x 7H ₂ O	0.22	<-	
	Na ₂ MoO ₄ x 2H ₂ O	0.39	<-	
	CuSO ₄ x 5H ₂ O	->	10 ml	0.8 g/100 ml Stock Sol.
	Co(NO ₃) ₂ x 6H ₂ O	->	10 ml	0.5 g/100ml Stock Sol.