

1673. Cyanobacteria Medium ASN3+

	Volume [ml/l]	Stock Solutions [g/l]
NaCl	100	250
MgCl ₂ x 6H ₂ O	10	200
KCl	10	50
Mg(SO ₄) x 7H ₂ O	10	350
CaCl ₂ x 2H ₂ O	10	50
Na ₃ -citrate x 2H ₂ O	5.0	0.6
Na ₂ -EDTA x 2H ₂ O	5.0	0.1
Trace Metal Mix	1.0	-

Adjust to 1000ml with H₂O dist. and autoclave.

After cooling, add the following filter sterilized components to complete the medium:

	Volume [ml/l]	Stock Solutions [g/l]
NaNO ₃	2.5	300
K ₂ HPO ₄ x 3H ₂ O	2.5	8.0
Na ₂ CO ₃	1.0	20
Fe-NH ₄ -citrate	0.5	6.0
Vitamin B12	1.0	0.02

ASN3+ Stock Solutions

		[g/l]	[ml/l]	
<u>Trace metal Mix</u>	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	0.8g/100ml Stock Sol.
	Co(NO ₃) ₂ x 6H ₂ O	->	10 ml	0.5g/100ml Stock Sol.