

1679. Cyanobacteria Medium 2 x ASN3

	Volume [mL/L]	Stock Solutions [g/L]
NaCl	200	250
MgCl ₂ x 6H ₂ O	20	200
KCl	20	50
MgSO ₄ x 7H ₂ O	20	350
CaCl ₂ x 2H ₂ O	20	50
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 1000mL with H₂O dist. water and autoclave.

After cooling, add the following filter sterilized components

	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
Vitamine B12	1.0	0.02

2xASN3 Stock Solutions

	[g/L]	[ml/L]		
<u>Trace metal</u> <u>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.