

## 1673. Cyanobacteria Medium ASN3+

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

Adjust to 1000mL with H<sub>2</sub>O dist. and autoclave.

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

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

### ASN3+ Stock Solutions

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