

## 1678. Cyanobacteria Medium BA+50+B+N/2

	Volume [ml/l]	Stock Solutions [g/l]
NaCl	33.3	250
MgCl <sub>2</sub> x 6H <sub>2</sub> O	3.3	200
KCl	3.3	50
Mg(SO <sub>4</sub> ) x 7H <sub>2</sub> O	3.3	350
CaCl <sub>2</sub> x 2H <sub>2</sub> O	3.3	50
Na <sub>3</sub> -citrate x 2H <sub>2</sub> O	8.3	0.6
Na <sub>2</sub> -EDTA x 2H <sub>2</sub> O	8.3	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

	Volume [ml/l]	Stock Solutions [g/l]
NaNO <sub>3</sub>	2.075	300
K <sub>2</sub> HPO <sub>4</sub> x 3H <sub>2</sub> O	4.15	8.0
NaHCO <sub>3</sub>	3.43	52.5
Fe-NH <sub>4</sub> -citrate	0.8	6.0
NH <sub>4</sub> Cl	0.5	53.5
Vitamine B12	1.0	0.02

### BA + 50 + B + N/2 Stock Solutions

		[g/l]	[ml/l]	
<b><u>Trace metal Mix</u></b>	H <sub>3</sub> BO <sub>3</sub>	2.86	<-	
	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.