

# 3N-BBM (modified after CCAP)

Components	Stock Solution	Addition per Litre of Culture Medium
1. <b>NaNO<sub>3</sub></b>	25.00 g / l dH <sub>2</sub> O	10 ml
<b>K<sub>2</sub>HPO<sub>4</sub> x 3 H<sub>2</sub>O</b>	9.80 g / l dH <sub>2</sub> O	
<b>KH<sub>2</sub>PO<sub>4</sub></b>	17.50 g / l dH <sub>2</sub> O	
<b>NaCl</b>	2.50 g / l dH <sub>2</sub> O	
2. <b>CaCl<sub>2</sub> x 2 H<sub>2</sub>O</b>	2.50 g / l dH <sub>2</sub> O	10 ml
3. <b>MgSO<sub>4</sub> x 7 H<sub>2</sub>O</b>	7.50 g / l dH <sub>2</sub> O	10 ml
4. <b>Trace Metals</b>		6 ml
add to 1000 ml of distilled water 0.83 g Na <sub>2</sub> EDTA x 2 H <sub>2</sub> O and the minerals in exactly the following sequence:		
<b>FeCl<sub>3</sub> x 6 H<sub>2</sub>O</b>	97.00 mg / l dH <sub>2</sub> O	
<b>MnCl<sub>2</sub> x 4 H<sub>2</sub>O</b>	41.00 mg / l dH <sub>2</sub> O	
<b>ZnCl<sub>2</sub></b>	5.00 mg / l dH <sub>2</sub> O	
<b>CoCl<sub>2</sub> x 6 H<sub>2</sub>O</b>	2.00 mg / l dH <sub>2</sub> O	
<b>Na<sub>2</sub>MoO<sub>4</sub> x 2 H<sub>2</sub>O</b>	4.00 mg / l dH <sub>2</sub> O	
5. <b>Vitamin Solution</b>		3 ml
Vitamin B12	0.20 mg / l dH <sub>2</sub> O	
Biotin	1.00 mg / l dH <sub>2</sub> O	
Thiamine-HCl	100.00 mg / l dH <sub>2</sub> O	
Niacinamide	0.10 mg / l dH <sub>2</sub> O	
pH of the Vitamin Solution should be around pH 7		
6. <b>NaNO<sub>3</sub></b>	25.00 g / l dH <sub>2</sub> O	20 ml
(7. <b>Na<sub>2</sub>SiO<sub>3</sub> x 9 H<sub>2</sub>O</b>	28.42 g	2ml optional)
adjust the pH to 6,6 and autoclave		