

1: ABM

Final pH: 3.0

Final volume: 1000 ml

Mail sol. C₁

(NH ₄) ₂ SO ₄	0.25	g
NaNO ₃ (75 g/l stock solution)	10.00	ml
CaCl ₂ x 2 H ₂ O (2.5 g/l stock solution)	10.00	ml
MgSO ₄ x 7 H ₂ O (7.5 g/l stock solution)	10.00	ml
K ₂ HPO ₄ x 3 H ₂ O (7.5 g/l stock solution)	10.00	ml
KH ₂ PO ₄ (17.5 g/l stock solution)	10.00	ml
NaCl (2.5 g/l stock solution)	10.00	ml
Trace Elements (PIV)	6.00	ml

1. Once elements are dissolved autoclave at 15 psi for 15 minutes.

Vitamin B₁ solution	1.00	ml
Vitamin B₁₂ solution	1.00	ml

2. The stock solutions are those for 3N-BBM+V. Make up to 1 litre with distilled water and adjust the pH to 3.0 with 1M NaOH or 1M HCl. Autoclave at 15 psi for 15 minutes.

Trace Elements (PIV)

1. Ensure elements are added in the following sequence:

Na ₂ -EDTA	0.750	g
FeCl ₃ x 6 H ₂ O	0.097	g
MnCl ₂ x 4 H ₂ O	0.041	g
ZnCl ₂	0.005	g
CoCl ₂ x 6 H ₂ O	0.002	g
Na ₂ MoO ₄ x 2 H ₂ O	0.004	g

2. Once elements are dissolved autoclave at 15 psi for 15 minutes.

Vitamin B₁ solution

Thiamine hydrochloride (Vitamin B ₁)	0.12	g
--	------	---

Filter sterile

Vitamin B₁₂ solution

Cyanocobalamine (Vitamin B ₁₂)	0.10	g
--	------	---

1: ABM

Take 1 ml of this solution and add 99 ml Deionised water. Filter sterile.