

15: 3N-BBM+V recipe for customer orders

Final volume: 1000 ml

Mail sol. C₁₅

NaNO ₃ (7.5 g/l stock solution)	10.00	ml
CaCl ₂ x 2 H ₂ O (2.5 g/l stock solution)	1.00	ml
MgSO ₄ x 7 H ₂ O (7.5 g/l stock solution)	1.00	ml
K ₂ HPO ₄ x 3 H ₂ O (7.5 g/l stock solution)	1.00	ml
KH ₂ PO ₄ (17.5 g/l stock solution)	1.00	ml
NaCl (2.5 g/l stock solution)	1.00	ml
Trace Elements (PIV)	6.00	ml
Vitamin B₁ solution	1.00	ml
Vitamin B₁₂ solution	1.00	ml
Agar, for solid medium	15.00	g

1. Once elements are dissolved autoclave at 15 psi for 15 minutes.
2. Make up to 1 litre with distilled water. For agar add 15 g per litre Bacteriological Agar. Autoclave at 15 psi for 15 minutes.

Vitamin B₁ solution

Thiamine hydrochloride (Vitamin B ₁)	0.12	g
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Filter sterile

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 B₁₂ solution

Cyanocobalamine (Vitamin B ₁₂)	0.10	g
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Take 1 ml of this solution and add 99 ml Deionised water. Filter sterile.