

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

Final volume: 1000 ml

### **Mail sol. C<sub>15</sub>**

|                                                                               |       |    |
|-------------------------------------------------------------------------------|-------|----|
| NaNO <sub>3</sub> (7.5 g/l stock solution)                                    | 10.00 | ml |
| CaCl <sub>2</sub> x 2 H <sub>2</sub> O (2.5 g/l stock solution)               | 1.00  | ml |
| MgSO <sub>4</sub> x 7 H <sub>2</sub> O (7.5 g/l stock solution)               | 1.00  | ml |
| K <sub>2</sub> HPO <sub>4</sub> x 3 H <sub>2</sub> O (7.5 g/l stock solution) | 1.00  | ml |
| KH <sub>2</sub> PO <sub>4</sub> (17.5 g/l stock solution)                     | 1.00  | ml |
| NaCl (2.5 g/l stock solution)                                                 | 1.00  | ml |
| <b>Trace Elements (PIV)</b>                                                   | 6.00  | ml |
| <b>Vitamin B<sub>1</sub> solution</b>                                         | 1.00  | ml |
| <b>Vitamin B<sub>12</sub> solution</b>                                        | 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 B<sub>1</sub> solution**

|                                                  |      |   |
|--------------------------------------------------|------|---|
| Thiamine hydrochloride (Vitamin B <sub>1</sub> ) | 0.12 | g |
|--------------------------------------------------|------|---|

Filter sterile

### **Trace Elements (PIV)**

1. Ensure elements are added in the following sequence:

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

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

### **Vitamin B<sub>12</sub> solution**

|                                            |      |   |
|--------------------------------------------|------|---|
| Cyanocobalamine (Vitamin B <sub>12</sub> ) | 0.10 | g |
|--------------------------------------------|------|---|

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

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