

3N-BBM+V (Bold Basal Medium with 3-fold Nitrogen and Vitamins; modified)

Stocks

| | | per 100 ml |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| (2) (3) (4) (5) | NaNO $_3$ CaCl $_2$.2H $_2$ O MgSO $_4$.7H $_2$ O K $_2$ HPO $_4$.3H $_2$ O KH $_2$ PO $_4$ NaCl | 7.5 g 2.5 g 7.5 g 7.5 g 17.5 g 2.5 g |
| | Trace elements (PIV): Ensure elements are added in the following sequents Na2EDTA FeCl ₃ .6H ₂ O MnCl ₂ .4H ₂ O ZnCl ₂ CoCl ₂ .6H ₂ O Na ₂ MoO ₄ .2H ₂ O e elements are dissolved autoclave at 15 psi for 1 | 0.75 g 0.097 g 0.041 g 0.005 g 0.002 g 0.004 g |
| | | per 100 ml |

| (8) | Vitamin B ₁ (Thiamine hydrochloride) | 0.12 g |
|-----|----------------------------------------------------------------------------------|--------|
| | Filter sterile | |
| (0) | λ (the maxim $\mathbf{P}_{\mathbf{r}}$ (C) are a sub-scheme in λ | 01- |

(9) Vitamin B₁₂ (Cyanocobalamin)
Take 1 ml of this solution and add 99 ml deionised water. Filter sterile.

| Medium | per litre |
|-----------------------------------|-----------|
| Stock solution 1 | 10 ml |
| Stock solutions 2 – 6 | 1 ml each |
| Stock solution 7 (Trace elements) | 6 ml |
| Stock solutions 8 - 9 | 1 ml each |

Make up to 1 litre with deionised water. For agar, add 15 g per litre Bacteriological Agar. Autoclave at 15 psi for 15 minutes.

0.3N-BBM+V

Use 1 ml per litre of Stock 1.

Reference

Bischoff, H. W. & Bold, H. C. 1963. Phycological Studies IV. Some soil algae from Enchanted Rock and related algal species. U. Texas Pub. No. 6318. – adapted for CCAP

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