

ABM (Acidic Bold-Basal Medium with Vitamins; modified)

Stocks per litre

(1) NaNO ₃	75 g
(2) CaCl ₂ .2H ₂ O	2.5 g
(3) MgSO ₄ .7H ₂ O	7.5 g
(4) K ₂ HPO ₄ .3H ₂ O	7.5 g
(5) KH ₂ PO ₄	17.5 g
(6) NaCl	2.5 g
(7) Trace Elements (PIV):	
Ensure elements are added in the following sequence:	
Na ₂ EDTA	0.75 g
FeCl ₃ .6H ₂ O	0.097 g
MnCl ₂ .4H ₂ O	0.041 g
ZnCl ₂ .6H ₂ O	0.005 g
CoCl ₂ .6H ₂ O	0.002 g
Na ₂ MoO ₄ .2H ₂ O	0.004 g

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

Per 100 ml

(8) Vitamin B ₁ (Thiamine hydrochloride)	0.12 g
Filter sterile	
(9) Vitamin B ₁₂ (Cyanocobalamin)	0.1 g
Take 1 ml of this solution and add 99 ml Deionised water. Filter sterile.	

Medium per litre

(NH ₄) ₂ SO ₄ (Ammonium sulphate)	0.25 g
Stock solutions 1 - 6	10 ml each
Stock solution 7 (Trace element)	6 ml
Stock solutions 8 - 9	1 ml each

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.

Reference

Pollio A, Cennamo P, Ciniglia C, De Stefano M, Pinto G & Huss VAR (2005) *Chlamydomonas pitschmannii* Ettl, a Little Known Species from Thermoacidic Environments. Protist **156**, 287-302.

Recipe Reviewed: 27th July 2020

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