

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

Stocks per 100 ml

(1) NaNO ₃	7.5 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): per litre

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	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

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| (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 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

The stock solutions are those for 3N-BBM+V. Make up to 1 litre with deionised 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. – adapted for CCAP

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Created on: 05 Nov 2019	CCAP (Culture Collection of Algae and Protozoa), SAMS Ltd, Scottish Marine Institute, Oban, Argyll, PA37 1QA, UK Tel: +44 (0)1631 559000 Fax: +44 (0)1631 559001 Email: ccap@sams.ac.uk Web: www.ccap.ac.uk	Page: 1 of 1
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