

 Culture Collection of algae & protozoa	QF 09 Media Preparation Recipe Template	Revision: 002 Approved: 29 MAY 26
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NC64A (MBBM)

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) Na ₂ EDTA	5 g
KOH	3.1 g
(8) FeSO ₄ .7H ₂ O	0.498 g
(Per 100 ml acidified deionised water. 0.1 ml concentrated H ₂ SO ₄ added to 99.9 ml deionised water)	
(9) H ₃ BO ₃	11.42 g
(10) Trace elements:	
ZnSO ₄ .7H ₂ O	8.82 g
MnCl ₂ .4H ₂ O	1.44 g
MoO ₃	0.71 g
CuSO ₄ .5H ₂ O	1.57 g
CO(NO ₃) ₂ .6H ₂ O	0.49 g

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

Medium	per litre
Proteose peptone	1 g
Sucrose	5 g
Stock solution 1	10 ml
Stock solutions 2 - 6	1 ml each
Stock solutions 7 - 9	1 ml each
Stock solution 10 (Trace elements)	2 ml

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

Once cooled it is recommended for non-axenic strains that the antibiotic Tetracycline is added to the media. Dissolve tetracycline in 70% ethanol with the stock concentration of 10 mg/ml. Use 1 ml/1L for final medium.

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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