CGM (Bold Basal Medium with 3-fold Nitrogen and Vitamins; modified, with added nutrients)

Stocks	**per 100 ml**
(1) $NaNO_3$	7.5 g
(2) $CaCl_2.2H_2O$	2.5 g
(3) $MgSO_4.7H_2O$	7.5 g
(4) $K_2HPO_4.3H_2O$	7.5 g
(5) KH_2PO_4	17.5 g
(6) NaCl	2.5 g
(7) Trace elements (PIV):	**per litre**
Ensure elements are added in the following sequence:	
Na_2EDTA	0.75 g
$FeCl_3.6H_2O$	0.097 g
$MnCl_2.4H_2O$	0.041 g
$ZnCl_2$	0.005 g
$CoCl_2.6H_2O$	0.002 g
$Na_2MoO_4.2H_2O$	0.004 g

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

	per 100 ml
(8) Vitamin B_1 (Thiamine hydrochloride) Filter sterile	0.12 g
(9) Vitamin B_{12} (Cyanocobalamin) Take 1 ml of this solution and add 99 ml deionised water. Filter sterile.	0.1 g

Medium	**per litre**
Proteose peptone	0.25 g
Yeast extract	0.25 g
D-glucose	5.00 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

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

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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