

BG11 x10 (Blue-Green Medium)

For customer orders

Freshwater algae and protozoa

Stocks	per 500ml
(1) NaNO ₃	75.0 g
	per 100 ml
(2) K ₂ HPO ₄	4.0 g
(3) MgSO ₄ .7H ₂ O	7.5 g
(4) CaCl ₂ .2H ₂ O	3.6 g
(5) Citric acid*	0.60 g
(6) Ammonium ferric citrate green*	0.60 g
(7) Na ₂ EDTA	0.10 g
(8) Na ₂ CO ₃	2.00 g
(9) Trace elements:	per litre
H ₃ BO ₃	2.86 g
MnCl ₂ .4H ₂ O	1.81 g
ZnSO ₄ .7H ₂ O	0.22 g
Na ₂ MoO ₄ .2H ₂ O	0.39 g
CuSO ₄ .5H ₂ O	0.08 g
Co(NO ₃) ₂ .6H ₂ O	0.05 g

Medium	per litre
Stock solution 1	10.0 ml
Stock solutions 2 - 9	1.0 ml each

Make up to 1 litre with deionised water. Adjust pH to **7.1** with 1M NaOH or HCl.
For agar, add 15.0 g per litre of Bacteriological Agar. Autoclave at 15 psi for 15 minutes.

*Due to precipitation, larger volumes require stocks 5 & 6 to be autoclaved separately in test tubes and added to sterile medium in the airflow cabinet.

Reference

Allen, M. M.; Stanier, R. Y. (1968). Growth and Division of Some Unicellular Blue-green Algae. *Journal of General Microbiology*, 51(2), 199–202 – adapted for CCAP

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