

## BG11 (Blue-Green Medium)

Freshwater algae and protozoa

<b>Stocks</b>	<b>per litre</b>
(1) NaNO <sub>3</sub>	15.0 g
	<b>per 500 ml</b>
(2) K <sub>2</sub> HPO <sub>4</sub>	2.0 g
(3) MgSO <sub>4</sub> ·7H <sub>2</sub> O	3.75 g
(4) CaCl <sub>2</sub> ·2H <sub>2</sub> O	1.80 g
(5) Citric acid	0.30 g
(6) Ammonium ferric citrate green	0.30 g
(7) EDTANa <sub>2</sub>	0.05 g
(8) Na <sub>2</sub> CO <sub>3</sub>	1.00 g
(9) Trace metal solution:	<b>per litre</b>
H <sub>3</sub> BO <sub>3</sub>	2.86 g
MnCl <sub>2</sub> ·4H <sub>2</sub> O	1.81 g
ZnSO <sub>4</sub> ·7H <sub>2</sub> O	0.22 g
Na <sub>2</sub> MoO <sub>4</sub> ·2H <sub>2</sub> O	0.39 g
CuSO <sub>4</sub> ·5H <sub>2</sub> O	0.08 g
Co(NO <sub>3</sub> ) <sub>2</sub> ·6H <sub>2</sub> O	0.05 g

<b>Medium</b>	<b>per litre</b>
Stock solution 1	100.0 ml
Stock solutions 2 - 8	10.0 ml each
Stock solution 9	1.0 ml

Make up to 1 litre with deionized water. Adjust pH to 7.1 with 1M NaOH or HCl. For agar add 15.0 g per litre of Bacteriological Agar (Oxoid L11)\*. Autoclave at 15 psi for 15 minutes.

### Supply

\*Unipath Ltd, Wade Road, Basingstoke, Hants, RG24 0PW, UK

### Reference

Stanier RY, Kunisawa R, Mandel M & Cohen-Bazire G (1971) Purification and properties of unicellular blue-green algae (Order Chroococcales). *Bacteriol. Rev.* **35**: 171-205.