

DM (Diatom Medium)

Freshwater Algae

| Stocks | per 200 ml |
|--|-------------------|
| (1) Ca(NO ₃) ₂ ·4H ₂ O | 4.00 g |
| (2) KH ₂ PO ₄ | 2.48 g |
| (3) MgSO ₄ ·7H ₂ O | 5.00 g |
| (4) NaHCO ₃ | 3.18 g |
| (5) EDTAFeNa | 0.45 g |
| EDTANa ₂ | 0.45 g |
| (6) H ₃ BO ₃ | 0.496 g |
| MnCl ₂ ·4H ₂ O | 0.278 g |
| (NH ₄) ₆ Mo ₇ O ₂₄ ·4H ₂ O | 0.20 g |
| (7) Cyanocobalamin | 0.008 g |
| Thiamine HCl | 0.008 g |
| Biotin | 0.008 g |
| (8) NaSiO ₃ ·9H ₂ O (Sigma S4392) * | 11.4 g |

| Medium | per litre |
|-----------------------|------------------|
| Stock solutions 1 - 8 | 1.0 ml each |

Make up to 1 litre with deionized water. Adjust to pH 6.9 with 1M HCl. Dispense to suitable vessels and autoclave at 15 psi for 15 minutes.

Supply

* Sigma Chemical Co, Fancy Road, Poole, Dorset BH17 7TG, UK

Reference

Beakes, Canter & Jaworski (1988)