

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) FeNaEDTA	0.45 g
Na ₂ EDTA	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) Na ₂ SiO ₃ .9H ₂ O	11.4 g
(Silicate can react with glass, ensure this stock solution is stored in plastic bottles).	

Medium

per litre

Stock solutions 1 - 8	1.0 ml each
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Make up to 1 litre with deionised water. Adjust to pH **6.9** with 1M NaOH or 1M HCl, prior to autoclaving. Autoclave at 15 psi for 15 minutes.

Reference

Beakes G, Canter HM, & Jaworski GHM (1988) Zoospores ultrastructure of Zygorhizidium affluens Canter and Z. planctonicum Canter, two chytrids parasitizing the diatom Asterionella formosa Hassal. Can. J. Bot., 66(6): 1054-1067 – adapted for CCAP

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