DM (Diatom Medium)

Freshwater Algae

Stocks		**per 200 ml**
(1)	$Ca(NO_3)_2.4H_2O$	4.00 g
(2)	KH_2PO_4	2.48 g
(3)	$MgSO_4.7H_2O$	5.00 g
(4)	$NaHCO_3$	3.18 g
(5)	FeNaEDTA	0.45 g
	Na_2EDTA	0.45 g
(6)	H_3BO_3	0.496 g
	$MnCl_2.4H_2O$	0.278 g
	$(NH_4)_6Mo_7O_{24}.4H_2O$	0.20 g
(7)	Cyanocobalamin	0.008 g
	Thiamine HCl	0.008 g
	Biotin	0.008 g
(8)	$Na_2SiO_3.9H_20$	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

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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