



8 - *Dunaliella acidophila* Medium

MgSO ₄ · 7H ₂ O	25.00 g
NH ₄ NO ₃	0.25 g
K ₂ HPO ₄	0.075 g
CaCl ₂ · 2H ₂ O	0.012 g
peat extract *	5.0 ml
micronutrient solution **	5.0 ml
de-ionized or distilled water	990.0 ml

Adjust to pH 1.5 with 1N H₂SO₄

Add vitamin B12 (5x10⁻⁶g/l) in sterile solution after autoclaving

* Preparation of peat extract (as in medium 7):

Fill a 6 litre flask one third with peat soil of medium, but not too great humus content which does not contain fertilizers or plant protective agents. Success of peat extract depends on selection of suitable soils. Add de-ionized water until it stands 5 cm above the soil and sterilize by heating in a steamer for one hour twice in a 24 h interval. Separate the decanted extract from particles by centrifugation. Fill into small containers of stock solution each of a size appropriate to making a batch of media, autoclave for 20 min at 121°C and store in the refrigerator.

** Preparation of the micronutrient solution (as in medium 1):

	stock solution [g/100 ml]	applied solution
ZnSO ₄ · 7H ₂ O	0.1	1 ml
MnSO ₄ · 4H ₂ O	0.1	2 ml
H ₃ BO ₃	0.2	5 ml
Co(NO ₃) ₂ · 6H ₂ O	0.02	5 ml
Na ₂ MoO ₄ · 2H ₂ O	0.02	5 ml
CuSO ₄ · 5H ₂ O	0.0005	1 ml
de-ionized or distilled water		981 ml
FeSO ₄ · 7H ₂ O		0.7 g
EDTA (Titriplex III, Merck)		0.8 g