9 - Dunaliella Medium

	Nutrient solution [ml]	Stock solutions [g/L]
KNO_3	20	10
$K_2HPO_4 \cdot 3H_2O$	20	1
Soil extract*	30	
Artificial seawater**	930	

* Preparation of soil extract (as in medium 1):

Fill a 6 litre flask one third with garden or leaf soil of medium, but not too great humus content which does not contain fertilizers or plant protective agents. Success of soil extract depends on selection of suitable soils. Those with high clay content are usually less satisfactory. 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

** Artificial seawater.

To 1000 ml of de-ionized or distilled water, add 60.0 g of NaCl, 10.0g of $MgSO_4 \cdot 7H_2O$,1.5g KCl and 2.0g $CaSO_4$ and dissolve fully.