

Soilwater: GR+ Medium

The basic garden-type soilwater; includes a pinch of CaCO_3 , which is added to the soil and water prior to steaming; suitable for most phototrophic freshwater algae. Optional ingredients: add vitamin B12 to cultures of *Volvox*; a pinch of $\text{NH}_4\text{MgPO}_4 \cdot 6\text{H}_2\text{O}$ added to soilwater cultures of *Botryococcus*, *Synechococcus* and some Euglenoids enhances growth and to LB 826 *Gonium pectorale* increases the numbers of 16-celled colonies formed.

Directions

For 200 mL Total

1. Combine components.
2. Cover the medium container and steam for 2 consecutive days, 3 hours on each day. Pasteurization is a gradual rising of temperature to approximately 95 °C in 15 minutes. Then increased just over 98 °C for the 3 hour duration. Cooling occurs gradually at room temperature.
3. Refrigerate 24 hours or more and bring to room temperature before use.

#	Component	Amount	Stock Solution Concentration	Final Concentration
1	Green House Soil	1 tsp		
2	CaCO_3 (optional) (Fisher C 64)	1 mg		0.05 mM
3	dH ₂ O	200 mL		