

# 1/4 Soil+Seawater Medium Recipe

## Directions

For some marine and brackish-water algae requiring salinities at 7.5 ppt, glass-distilled water and pasteurized, filtered seawater are combined prior to steaming, such that 1/4-soil+seawater contains seawater combined with distilled water 1:3.

For 200 mL Total

1. Combine all 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 using.

#	Component	Amount	Stock Solution Concentration	Final Concentration
1	<a href="#">Green House Soil</a>	1 tsp		
2	CaCO <sub>3</sub> (optional) (Fisher C 64)	1 mg		0.05 mM
3	<a href="#">Pasteurized Seawater</a>	50 mL		
4	dH <sub>2</sub> O	150 mL		