

Soil+Seawater Medium Recipe

Directions

For marine algae that require salinities at 30 ppt.

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/200 mL of Seawater		
2	CaCO ₃ (optional) (Fisher C 64)	1 mg/200 mL of Seawater		0.05 mM
2	Pasteurized Seawater	200 mL		