

2X Soil+Seawater Medium Recipe

Directions

For marine algae that require salinities at 60 ppt. Add 1 L of supplemented Pasteurized Seawater divided into 200 mL volumes and combined with soil in preparation for pasteurizing with steam.

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 use.

#	Component	Amount	Stock Solution Concentration	Final Concentration
1	Green House Soil	5 mL/200 mL of Supplemented Seawater		
2	CaCO ₃ (Fisher C 64)	1 mg/200 mL of Supplemented Seawater		0.05 mM
3	Supplemented Seawater	200 mL		