

Soilwater: PEA Medium

This basic garden-type soilwater, to which a garden pea is added before steaming, is suitable for some euglenoids, xenic cultures of *Astrephomene* and other mixotrophic algae.

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 | Pea (add after dH ₂ O) | 3 grains | | |
| 3 | CaCO ₃ (optional) (Fisher C 64) | 1 mg | | 0.05 mM |
| 4 | dH ₂ O | 200 mL | | |