

Homework 1

Extremophiles 1_MFE

Brine Shrimp Growing Instructions

Brine Shrimp Growing Instructions:

1. Fill a **two (2) liter bottle** with Great Salt Lake water (or tap water if SL water is not available). If using tap water allow container to sit for **24 hours** to remove chlorine (top of container off).
2. Mark the top of the water level with a marker/sharpie.
3. Add **½ cup table or rock salt** (must be non-iodized) to container *if you are using tap water*. A funnel makes it easier.
4. Add a **pinch of brine shrimp eggs**/crysts.
5. Add **a pinch of crushed up algae disk** (for the shrimp to eat).
6. Gently invert the container to mix.
7. Place the container in a window with partial sunlight. Leave uncovered (uncapped) and keep container at (or near) room temperature.
8. Invert the container for mixing every day.
9. The brine shrimp will hatch and be swimming within 48-72 hours. As brine shrimp feed on the algae the water will become clear. Add a pinch of algae when the water is not cloudy (don't overfeed).
10. When water level drops, add water (but let it stand to remove chlorine before adding into container). Additional salt is not needed.
11. Debris will accumulate at the bottom of the container the longer the shrimp live. To clean out debris, use anything that will filter water (such as a coffee filter) and pour most of the water through the filter. Dispose of the last inch of water and debris. Use funnel to wash the shrimp from the filter back into fresh salt water.

Adapted from: Great Salt Lake Ecosystem Program, www.wildlife.utah.gov/gsl.

