

# Decapsulated Brine Shrimp (*Artemia*) Hatching Instructions

## 8-Liter Recipe

1. Clean and rinse the brine shrimp hatching cone with a sponge and tap water before every use.

2. The optimal hatching conditions for brine shrimp are:

- **Temperature: 77-86°F**

- **pH: 7.5-8.5**

- **Keep in a lighted area at all times.**

3. Fill the brine shrimp cone using the following recipe. The salinity of this recipe is approximately 25 ppt. Note: The volumes are measured using beakers and/or teaspoons and tablespoons.

Add:

- **8 liters** of de-chlorinated tap water

- **200 ml (200 g)** of Rock Salt

- **3.75 ml (3/4 tsp)** of Baking Soda

- **Aeration** - Vigorous enough to keep cysts in suspension.

- **50 mls (1 3/4 tbs)** decapsulated *Artemia* Cysts (or 250mls of bottled decapsulated cysts in brine solution)

Note: The decapsulated cysts are stored in a saturated brine (salt) solution (see the *Artemia* Decapsulation procedure). Shaking and pouring this solution into the hatching cone eliminates the need for the 200 grams of rock salt.

4. Hatching should be complete within 24 hours.

5. Harvest the brine shrimp/nauplii by collecting 1750mls of nauplii from the cone (while aerating) into a large beaker.

6. Pour the nauplii into a 105 micron mesh strainer and rinse with fish system water or de-chlorinated tap water for 30 seconds to a minute.

7. Pour/rinse the nauplii into a large mouth squirt bottle and fill the bottle with de-chlorinated tap water or fish system water.

8. Feed the appropriate amount of nauplii to each aquarium. Note: The amount of nauplii

distributed to each fish aquarium is measured in time. It should take approximately 5 minutes for the fish to consume the nauplii.

**9.** Repeat steps 5-8 until all the nauplii has been fed. Note: It is not recommended that nauplii be kept more than 48 hours.

**10.** Clean and re-set the cone (steps 1-4).

Note: Additional directions can be found on the brine shrimp packaging.