

Zebrafish live feed preparation

- Artemia ssp.
 - Set-up of Artemia culture (Figure 1):
 - Clean cone and heater with tap water
 - Fill cone with tap water and set in place
 - Enter heater and aeration
 - Add 1 tablespoon of marine salt
 - Add 2 teaspoon of Artemia eggs
 - Leave lights on 24h
 - Preparation for feeding to baby fish < 1month:
 - Filter Artemia through sieve (150 µm/300 µm) and re-suspend in 2 L system water (~1500 Artemia nauplii/ml) (Figure 2). Feed according to: Raising zebrafish using the general method or Raising zebrafish using the simple method
 - Hatched Artemia are ready to be harvested 24 hours after set-up.
 - Left over Artemia can be frozen in ice trays for later feeding.
 - Artemia can be kept in a beaker of salt water and with proper aeration for same day feeding.
 - Temperature should be between 26-28C

- Paramecium
 - Paramecium culture for feeding:
 - Filter 100 ml of a "sterile" paramecium culture through a 150 µm sieve into a new clean 2 L beaker
 - Add system water
 - Add ½ tablet brewers yeast
 - Add ~20 kernels of boiled wheat berries
 - Label with date
 - Cover and place on top shelf of rack
 - Clean used beaker with soap and spray with 70% EtOH
 - After 4 days culture is ready to be fed
 - Filter through 150 µm sieve and place in warm water bath (28C) for a few hours before feeding to fry in glass bowels. For feeding of fry in flow though tanks the paramecium infusion does not need to be warmed up.
 - Sterile paramecium cultures:
 - Autoclave system water in 1 L glass jars
 - Add 50 ml of a "older" sterile paramecium culture
 - Add 1/8 of brewers yeast tablet
 - Add 4 boiled wheat kernels

- Label with date
- Cover and place in a well lit room away from the fish room
- Renew culture every 2 weeks
- Use sterile culture to start cultures for feeding



Figure 1: Artemia hatcher with heater.



Figure 2: Filtered Artemia

Equipment and supplier list

Brine Shrimp Hatcher (BS252)
Jungle Aquarium Salt (NJ008)
Artemia cysts (GSL) (90%)
Rena Submersible Heaters, 50W, 10" (RH50)
Paramecium multimicronucleatum (L 2A)
Brewers yeast

www.aquaticesco.com
www.aquaticesco.com
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www.ctvalleybio.com
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