



STEPS

OBJECTIVE: separate instar I nauplii from cyst shells

1

HARVEST PREPARATION

Stop aeration

 **Monitor dissolved oxygen (>4 mg/L)**

Unhatched cysts will sink

Empty shells will rise to the water surface

Cover or shade the top of the hatching container

Place light source in the middle of the translucent hatching container

Nauplii are attracted to light

Leave to separate for max. 10 minutes

Flush out unhatched cysts from below the nauplii

2

COLLECTION OF NAUPLII

Two harvesting methods are possible:

A. CONCENTRATOR-RINSER METHOD

Collect nauplii in a concentrator-rinser device

Rinse thoroughly with clean and disinfected seawater

B. SIEVE METHOD

Place a bucket or tray with clean and disinfected seawater

Add aeration to the bucket or tray

Place a 100–150 µm sieve partially submerged in the bucket or tray

Collect nauplii on the sieve

Rinse thoroughly with clean and disinfected seawater

After either method:

Stop draining the hatching tank and do not collect the floating shells

Optional (small-scale applications): perform a second separation

step in a small aquarium to further improve nauplii purity

Count the nauplii

3

APPLICATION

Feed the nauplii to the larvae **OR**

Store at 0–4 °C for max. 24 hours – add aeration **OR**

Transfer to an *Artemia* enrichment tank

MATERIALS NEEDED:



Harvested nauplii



Seawater

OR



Freshwater with added sea salts

(15–35 g/L)



Disinfected seawater



Air supply



Tank



100–150 µm sieve



Bucket or tray



ATTENTION!

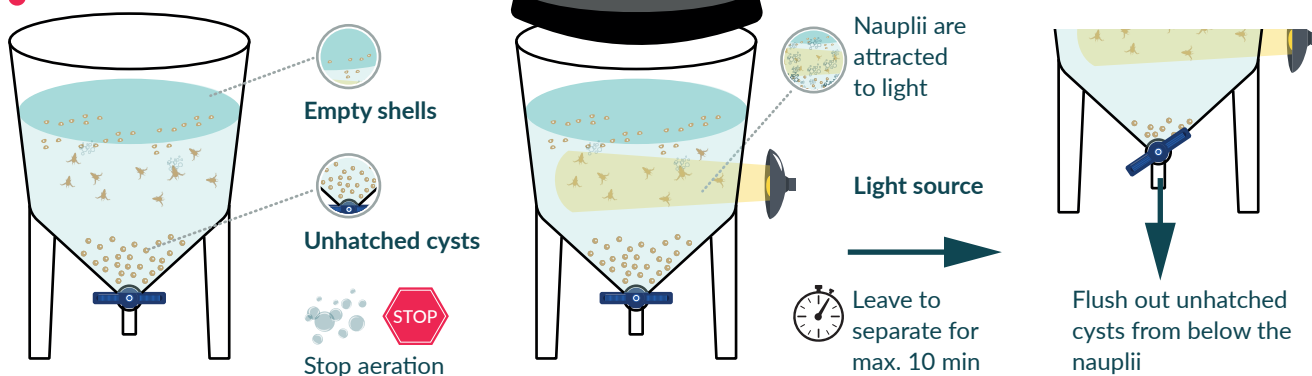
Ensure proper separation of cysts, shells and nauplii, as ingested cysts and shells can cause larval mortality.

STEPS

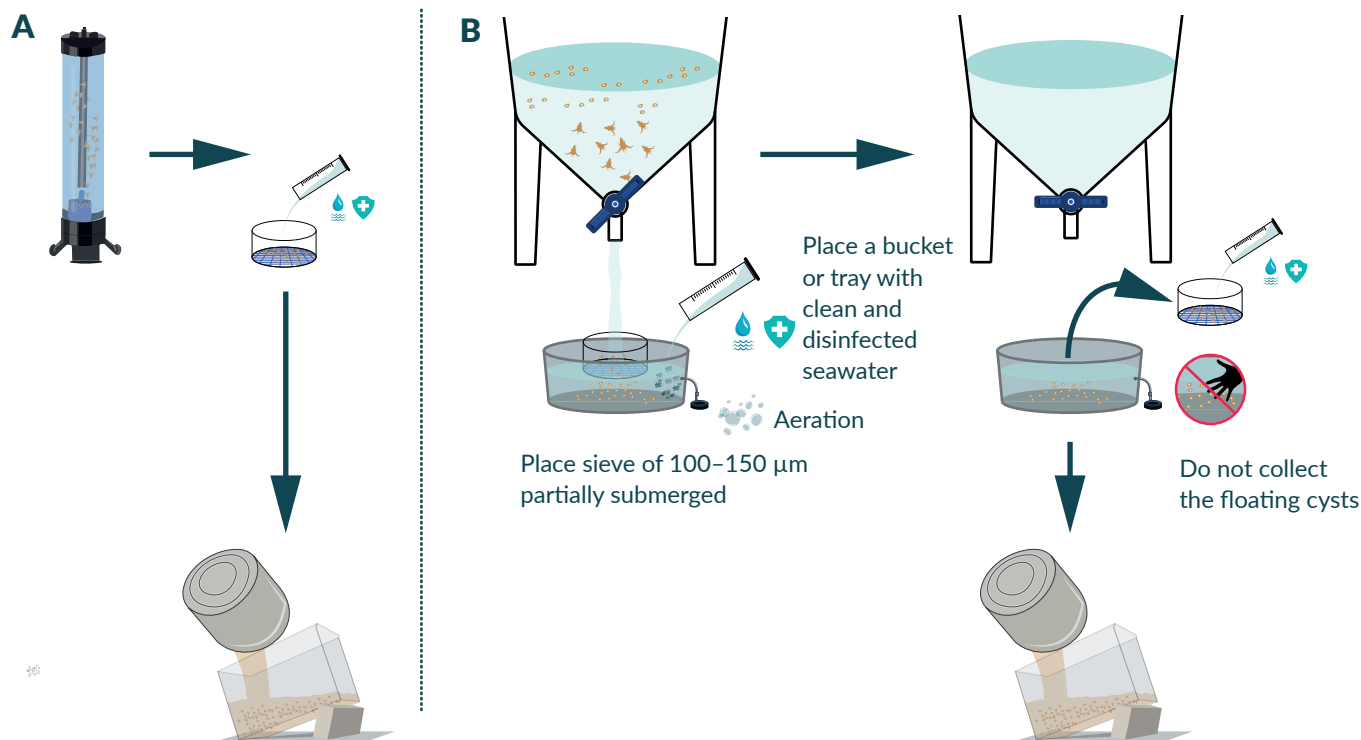
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1 HARVEST PREPARATION

! Monitor dissolved oxygen (>4 mg/L)!



2 COLLECTION OF NAUPLII



3 APPLICATION



Count the nauplii

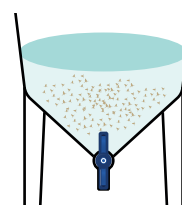


Feed the nauplii to the larvae



0–4 °C

Max. 24 hours
Aeration



Transfer to an *Artemia* enrichment tank

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