



STEPS

OBJECTIVE: improve nutritional content of *Artemia* nauplii

1

TANK PREPARATION

Transfer hatched nauplii (primarily instar II) to the enrichment container

Use max. 500 000 nauplii per L seawater

Aerate strongly

Optionally, add pure oxygen

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

Maintain water temperature at 25–30 °C

2

ENRICHMENT PREPARATION

Enrichment products may require preparations

Powders: mix in seawater

Emulsified concentrates: blend well

3

ENRICHMENT PROCEDURE

Add the enrichment product according to the product instructions

OPTIONAL: a second enrichment is often done after

10–12 hours

Monitor dissolved oxygen levels and pH

Adjust pH to 8.0–8.3 using NaOH solution

4

HARVESTING ENRICHED NAUPLII

Two harvesting methods are possible:

A. CONCENTRATOR-RINSER METHOD

Collect enriched 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

5

APPLICATION

Feed the nauplii to the larvae **OR**

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

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



Timer



Thermometer



Dissolved oxygen meter



pH meter



Blender



Enrichment product(s)

CHEMICALS

NaOH solution



ATTENTION!

Monitor dissolved oxygen, temperature and pH closely.

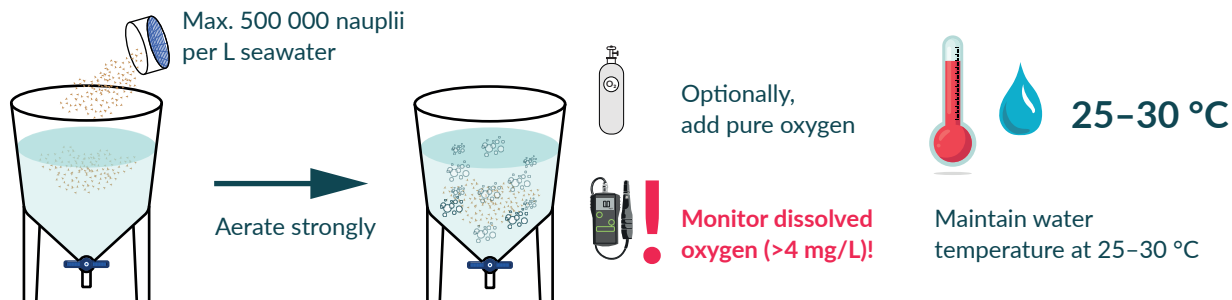
Do not exceed the recommended nauplii densities.

Remove excess foam.

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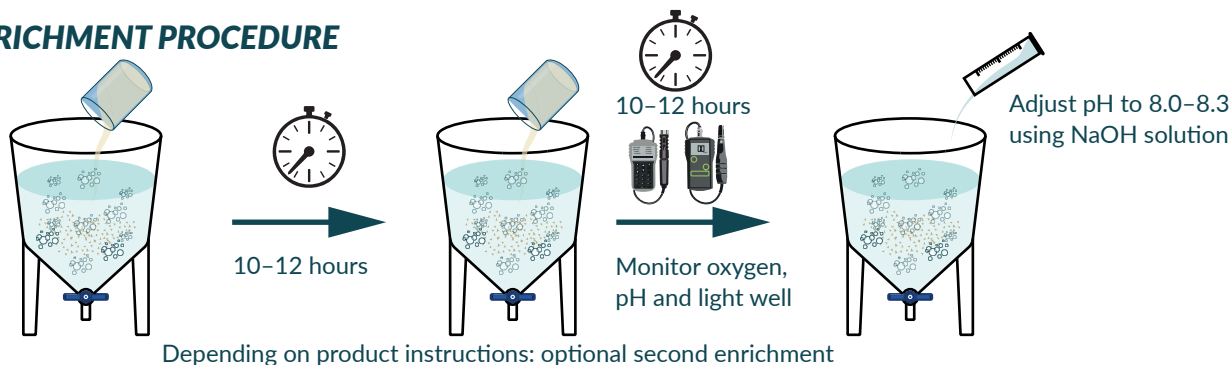
1 TANK PREPARATION



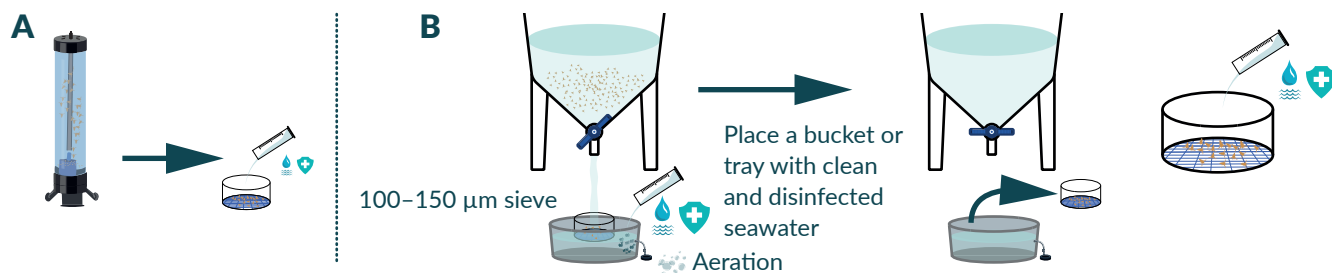
2 ENRICHMENT PREPARATION



3 ENRICHMENT PROCEDURE



4 HARVESTING ENRICHED NAUPLII



5 APPLICATION



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