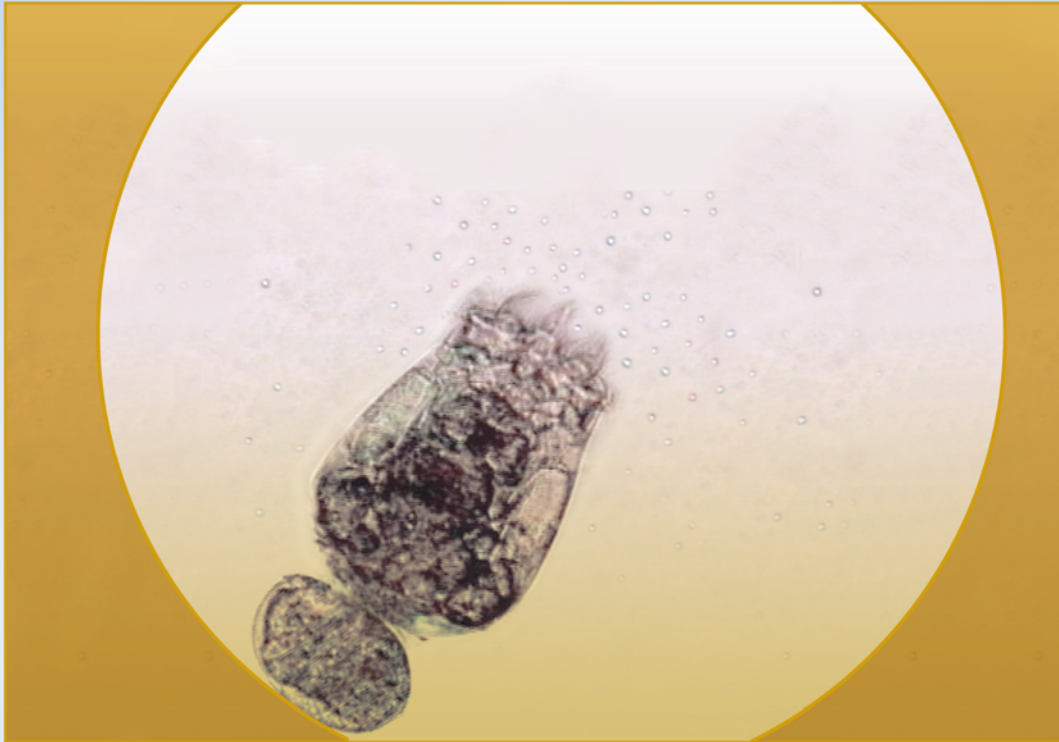


DHA PROTEIN SELCO®

A DRY, NATURAL , OFF-THE-SHELF PROTEIN
ENRICHMENT DIET FOR ROTIFERS
WITH AN OPTIMAL DHA/EPA RATIO



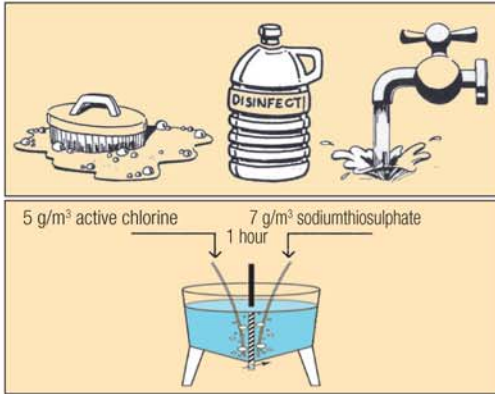
DHA Protein Selco® is a dry enrichment diet especially designed for rotifers offering the possibility to tailor their nutritional composition to the requirements of marine fish larvae. DHA Protein Selco® ensures high HUFA levels respecting the required DHA/EPA balance in essential fatty acids under optimal conditions. The high protein level allows continuous growth and enhances rotifer egg production. Rotifers produced with DHA Protein Selco® are very rich in Vitamin C and offer excellent protection against stress and disease resistance for first feeding fish larvae. DHA Protein Selco® is easy to use and offers the advantage of a constant and predictable enrichment level in HUFA's, protein and vitamins. DHA Protein Selco® can be applied after harvest in separate tanks or during the last culture day in the culture tank.

DHA Protein Selco® exhibits the following characteristics:

- Optimal balance of protein & HUFA in rotifers
- Combining amino acids, phospholipids, DHA and vitamin C
- Less labour, maintenance and infrastructure costs
- Stable, predictable and fast enrichment of rotifer populations
- Continued production during enrichment
- Reduced space and micro-algae requirements

TANK SET-UP AND INSTRUCTIONS FOR USE

PREPARATION OF THE TANK



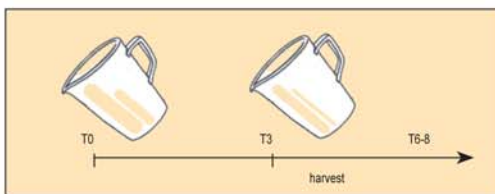
- Clean and disinfect the enrichment tank, airstones, air tubing prior to use (use e.g. 200 g/m³ active chlorine + detergent) and rinse well
- Disinfect the water of the tank with e.g. 5 g/m³ of active chlorine and aerate gently for ± 1 hour
- Deactivate any remaining chlorine by adding 7 g/m³ sodium thiosulphate
- Adjust the DHA Protein Selco® enrichment conditions to an optimal level as described here below.

PREPARATION OF THE DHA PROTEIN SELCO® SUSPENSION



- Blend the DHA Protein Selco® product for three to five minutes in water with a blender (preferably an industrial mixer) using a maximum of 50 g per litre.
- Create a vortex first and then slowly add the DHA Protein Selco® to the water

APPLICATION OF THE DHA PROTEIN SELCO® SUSPENSION



- Spread the quantities of DHA Protein Selco® evenly over 2 rations
- Prepare a new enrichment suspension for each application

TANK SET-UP DURING OPTIMAL ENRICHMENT CONDITIONS



- rotifer density 500-3000/ml (see feeding regime)
- pH 7.5-8.5
- salinity 18-25 ppt
- temperature 25-27°C
- low light conditions
- aeration reasonably strong (airstones)
- oxygen 5-7 ppm (pure oxygen)*

ENRICHMENT STRATEGY

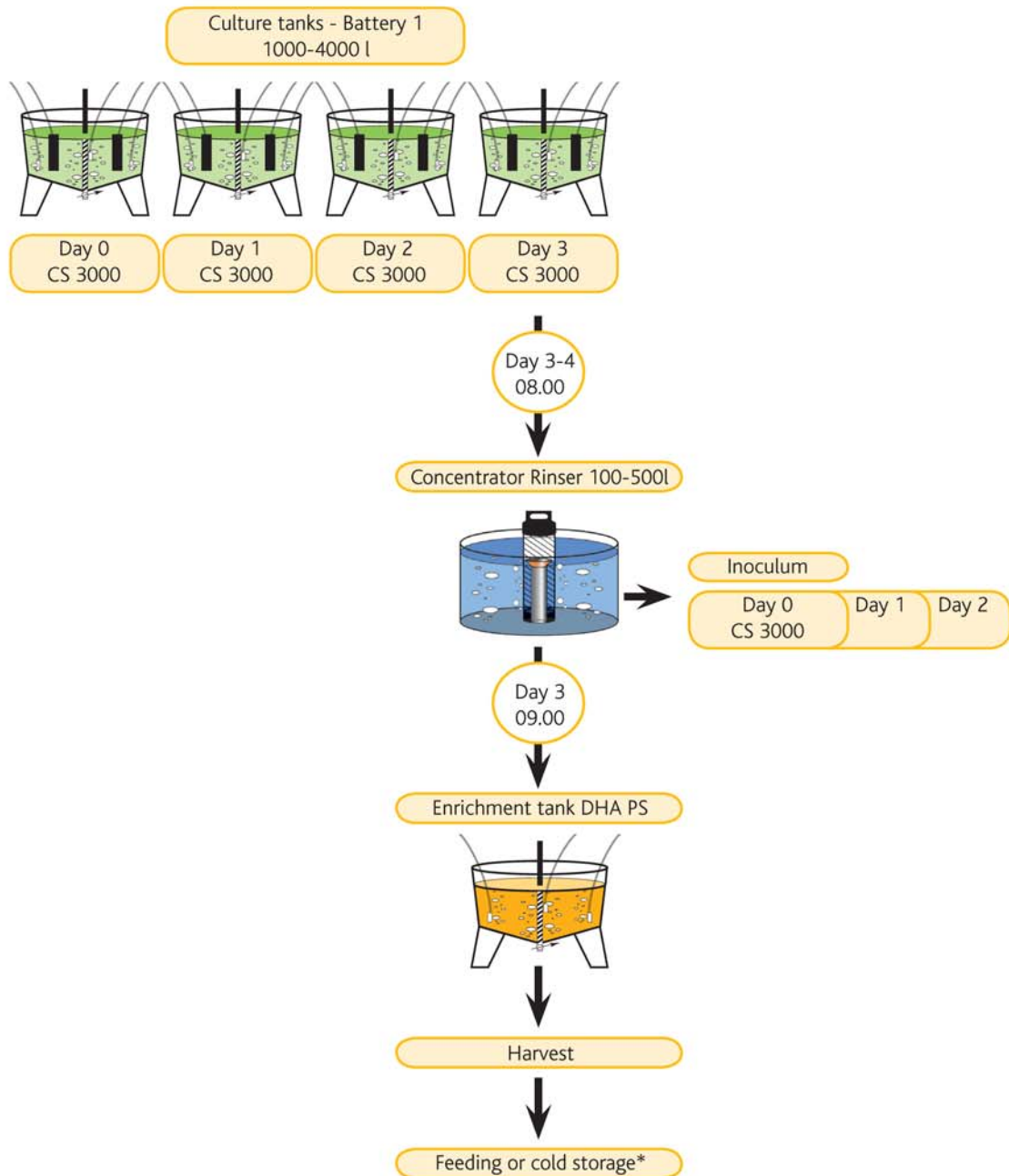
Through the use of DHA Protein Selco® rotifers can receive an additional boost in essential fatty acids, vitamins and essential amino acids. Optimal enrichment levels are obtained after 4 to 6 hours enrichment. Rotifer enrichment can only be done in the culture tank when using Culture Selco® and when water quality permits.

DHA Protein Selco® may be used at various enrichment densities, allowing optimization of tank space, energy and labour.

Rot/ml	Total amount of DHA Protein Selco®
<500	250 g/m ³
500 - 1000	350 g/m ³
1000 - 2000	550 g/m ³
2000 - 3000	750 g/m ³

Adapt feed quantities according to tank conditions and rotifer density. Spread the total amount of DHA Protein Selco® evenly in 2 rations. DHA Protein Selco® may also be used for the enrichment of *Artemia*.

USING CULTURE SELCO® PLUS AND DHA PROTEIN SELCO®



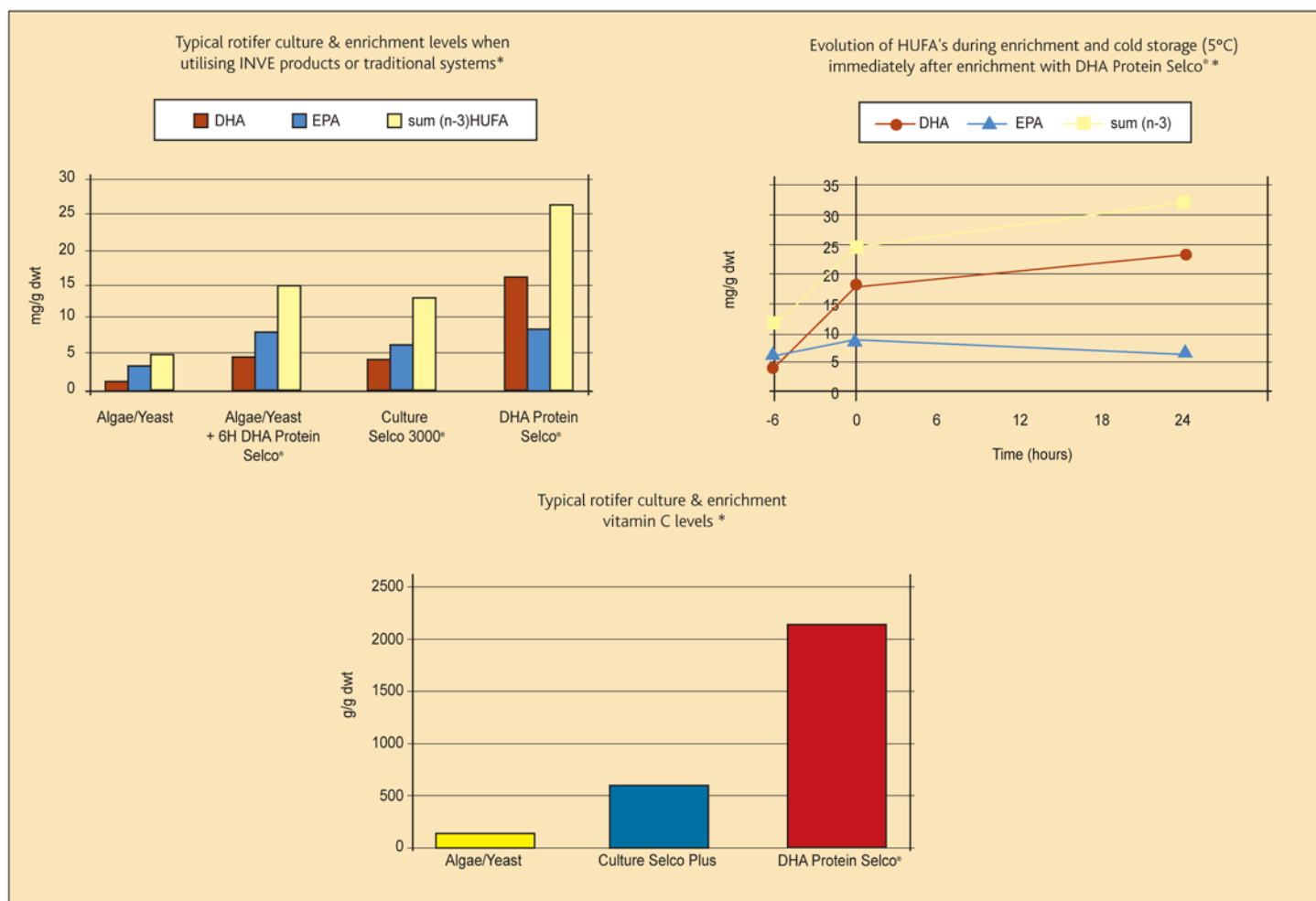
*** COLD STORAGE OPTION**

To provide an adequate supply of optimally enriched rotifers throughout a full day is a logistical challenge for most facilities. In order to solve this constraint, INVE has developed a cold storage option which offers the possibility to enrich rotifers All-in-One, as such reducing time, labour and energy. Rotifers stored in this way, retain their nutritional value for up to 24 hrs and are available for feeding at any time.

OPTIMAL COLD STORAGE CONDITIONS

- Rotifer density: up to 20.000/ml
- Oxygen: 4-7ppm using a coarse air stone
- Temperature: 5-10°C
- Duration: Up to 24 hours
- Option: A small quantity of Isochrysis algae (30% by volume) may be added to help preventing the formation of flocs

DATA



* Typical values may vary according to use, conditions, rotifer strain and quality

TYPICAL COMPOSITION

crude lipids	29 %	Vit. A	1.500.000 IU/kg
crude protein	27 %	Vit. D3	150.000 IU/kg
crude ash	12 %	Vit. E	7.200 mg/kg
$\Sigma\omega 3$ HUFA	min. 75 mg/g dwt	Vit. C	20.000 mg/kg
DHA/EPA	2,5		

PACKAGING & STORAGE

DHA Protein Selco® is packed under an inert atmosphere. The product is available in 3 kg buckets or in a box of 6 x1kg alufoil bags.

DHA Protein Selco® has a shelf life of 18 months when packed in alufoil bags and a shelf life of 12 months when packed in buckets. The products should be stored in a cool, dark and dry place (max. 15°C). For prolonged storage (> 1 month), refrigeration at 4°C is advised. Once opened, the product should be used within one month, kept well closed and stored in a refrigerator.

Do not freeze