



INVE AQUACULTURE ENVIRONMENT
WATER CONDITIONERS



Water conditioner for rotifers



Water treatment enhancer for Artemia

WATER CONDITIONERS FOR ROTIFERS AND ARTEMIA

Sanocare[®] SURE

EASY TO USE UP TO 5000 ROT/ML

IMPROVE ROTIFERS QUALITY

INCREASE ROTIFER COLOR

Sanocare[®] ACE

IMPROVE ARTEMIA HATCHING

IMPROVE ARTEMIA ENRICHMENT

INCREASE THE ARTEMIA NAUPLII VITALITY

Due to their volatile nature rotifers and Artemia are extremely vulnerable and need to be treated with the utmost care to get the best possible results. Apart from that, they can also be a possible source of *Vibrio* and other pathogens. The solution? Our water conditioners.



CARE FOR GROWTH

SHAPING **AQUACULTURE** TOGETHER

 A Benchmark Company

Sanocare[®] SURE

WATER CONDITIONER FOR ROTIFERS

Rotifer cultures contain a vast amount of organic material, leading to the development of large, microbial populations, including putative pathogens such as *Vibrio*.

The development of the larval gut microflora coincides with the start of rotifer feeding. The development of the right microflora has a dramatic impact on the survival and growth of fish larvae.

Sanocare[®] SURE is the first rotifer conditioner that is composed of natural ingredients, such as berberine and thyme. It allows the suppression of *Vibrio*, thus reducing fish mortality. At the same time, it improves the quality and color of the rotifers in order to make them more attractive to the fry, improving the growth of fish larvae.

Sanocare[®] SURE is the first product that allows treating rotifers without negatively influencing their viability. It ensures better rotifer production conditions and reduces the transfer of pathogenic bacteria through the rotifer to the fragile fish larvae. This results in a higher survival rate and enables a more efficient and reliable hatchery production.



PRODUCT PERFORMANCE

Rotifer vitality and color

Following treatment with **Sanocare[®] SURE** for up to 20 minutes, rotifers show a darker coloration, making them more visible to the fish larvae, thus increasing the ingestion rate.

Reduced mortality of fish larvae

The reduced presence of *Vibrio* in the rotifer and the culture water leads to a lower transfer of pathogens to the fish. This translates into reduced fish mortality.

Cleaner rotifers and cleaner culture environment

The application of **Sanocare[®] SURE** leads to a fast reduction in the concentration of total bacteria and *Vibrio* in the culture/enrichment medium (fig 1) and in the rotifers (fig 2).

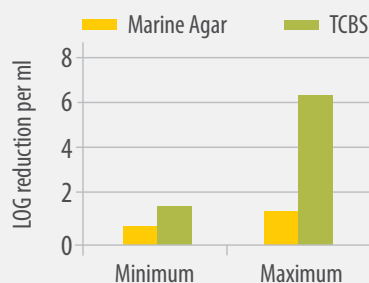


Fig 1: Decrease of bacteria and *Vibrio* in the culture water

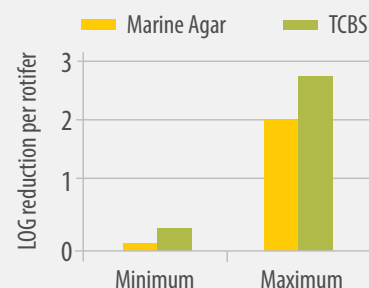


Fig 2: Decrease of bacteria and *Vibrio* in the rotifer

PACKAGING

800g 6 jars per case

STORAGE / SHELF LIFE

Store in a dry place. Keep out of direct sunlight.
When not used, keep the container tightly closed.

Shelf life: 24 months

COMPOSITION

Sodium bicarbonate, Berberine chloride, Thyme oil

INSTRUCTIONS FOR USE

Sanocare® SURE is applied in the concentrator rinser (1) at the harvest from the culture tank and (2) at the harvest from the enrichment tank, before being fed to the fish larvae. It is effective at rotifer densities of max 5,000 rotifers per ml. Higher densities can be reached, in which case we advise you to contact your local dealer for specific instructions for use.

1. Harvest rotifers in concentrator rinser.
Density 5000 up to max. 10000/ml
2. Slightly rinse the rotifers with clean water, before applying **Sanocare**® SURE
3. Adjust pH to 8-8.2 (if needed by buffering)
4. Apply sure at 1g/l in the concentrator rinser tank. Dissolve the required amount of **Sanocare**® SURE in fresh water before applying (max 1kg/10l).
5. Treat the rotifers with **Sanocare**® SURE for max 20 min.
6. Keep pH above 7,6 and Oxygen 5-7 ppm during treatment.
7. After 20 minute treatment start rinsing the rotifers until water is clear again.

Note:

During the treatment use a combination open air tube aeration and oxygenation device that produce fine bubble. In the case that only fine bubble device is used rotifer tend to settle on the surface resulting in high mortalities.

TIPS & TRICKS: ROTIFERS

Never leave the rotifers hungry when starting the enrichment.

Starvation will decrease their resistance to stress and will decrease enrichment efficiency.

Monitor O2 and pH levels, constantly keeping them over the minimum advised values.

It is important to know that during the enrichment stage, rotifers will prefer to take up oil droplets, making them lighter and allowing them to float on the water surface. This floating phenomenon will occur especially in separate enrichment tanks with clear water. To avoid this, add a small quantity (50ppm) of culture diet - S.parkle or RoBoost in order to increase the viscosity in the enrichment tank.

Sanocare[®] ACE

WATER CONDITIONER FOR ARTEMIA



- Stabilizes pH levels during hatching and enrichment
- No foaming off during hatching or enrichment
- Increased nauplii activity and survival
- Cost saving of oxygen supply

Sanocare[®] ACE is an important tool to improve oxygen levels during hatching and enrichment.

INSTRUCTIONS FOR USE

1. Clean + disinfect tanks, airstones, tubing, etc before use
2. Shake well before use
3. Blend the required amount with water (up to 300ml/l)

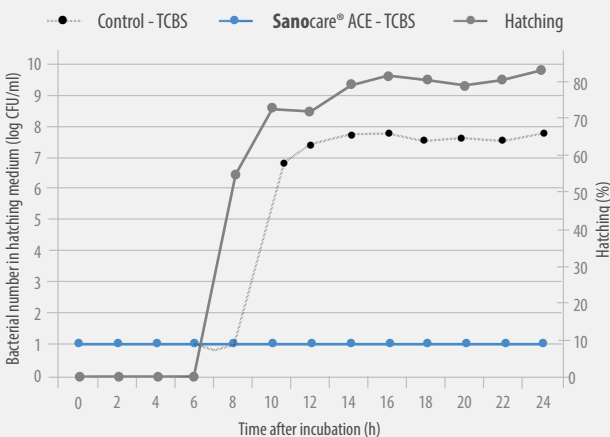
USE

	Sanocare [®] ACE Quantity
Hatching water	500 to 700ml per m ³ *
Enrichment tank	600 to 700ml per m ³ *
Concentrator rinser	4g per l
Storage tank	0.4g per l

*1 ml of Sanocare[®] ACE is 1.3g

PRODUCT PERFORMANCE

Improved water quality during hatching



PACKAGING

bottle 2 kg 8 bottles per case

STORAGE / SHELF LIFE

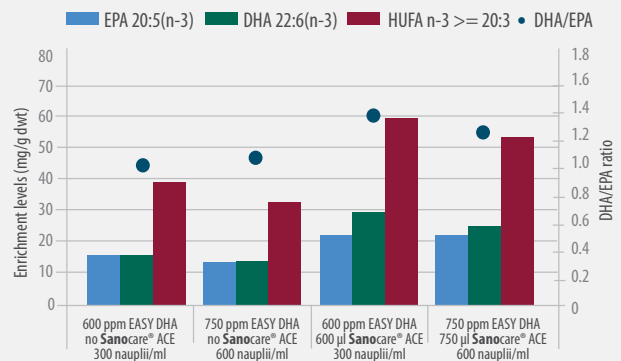
Store in a cool and dark place. When not used, keep the container tightly closed. Do not freeze the product.

Shelf life: 24 months

TYPICAL COMPOSITION

sodium hydroxymethyl glycinate, surfactant, stabilizing agent, tea tree oil

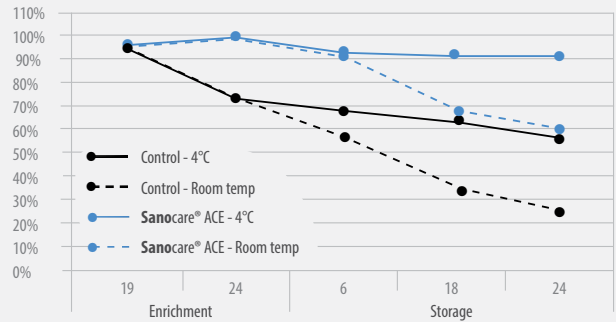
Increased enrichment levels



Improved quality of stored nauplii

Using Sanocare[®] ACE during enrichment increases the DHA/EPA ratio of Artemia nauplii by 30%. During cold storage the DHA/EPA ratio of the nauplii enriched in combination with Sanocare[®] ACE remains nearly unaffected.

Typical DHA/EPA ratio kinetics during enrichment (with or without Sanocare[®] ACE) and storage of nauplii. Relative to the maximum value of treatment with Sanocare[®] ACE



TIPS & TRICKS: ARTEMIA

Artemia can be enriched starting from Instar II nauplii. For the best enrichment we advise to check the hatching kinetics.

Because of nutrient rich medium during enrichment microbial population might drastically increase. In order to control this effect and improve enrichment uptake by nauplii INVE Aquaculture strongly advises the use of Sanocare[®] ACE during hatching and enrichment. Monitor O2 and pH levels, constantly keeping them over the minimum advised values.

To the best of our knowledge, the technical data in this technical card is accurate and reliable as of the date of publication. We do not assume any liability for the accuracy and completeness of the above information. Please inspect and test our products in order to satisfy yourself as to the suitability of the products to their particular purpose.

For more information, please contact your local INVE Aquaculture Service Center or take a minute to visit our website:

www.inveaquaculture.com



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