

ANNEX III
LABELLING AND PACKAGE LEAFLET

A. LABELLING

PARTICULARS TO APPEAR ON THE IMMEDIATE PACKAGE

HDPE Bottle

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

Nytox 1000 mg/g Powder for Solution for Fish Treatment

Tricaine methanesulfonate

2. STATEMENT OF ACTIVE SUBSTANCES

1g of product contains 1g tricaine methanesulfonate

3. PHARMACEUTICAL FORM

Powder for Solution for Fish Treatment

4. PACKAGE SIZE

1000g

5. TARGET SPECIES

Ornamental fish, or their development stages, and
Breeding and juvenile stages of fish.

6. INDICATION(S)

7. METHOD AND ROUTE(S) OF ADMINISTRATION

Read the package leaflet before use.

8. WITHDRAWAL PERIOD(S)

Withdrawal period: 70 degree days after the end of treatment
Fish must not be slaughtered for human consumption during treatment.
Do not use during stripping of fish eggs intended for human consumption.

9. SPECIAL WARNING(S), IF NECESSARY

Read the package leaflet before use.

10. EXPIRY DATE

EXP {month/year}
Once diluted or reconstituted use within 12 hours.

11. SPECIAL STORAGE CONDITIONS

Store in a dry place.
Store in the original container.
Keep the container tightly closed in order to protect from moisture
Protect solution from direct sunlight.

12. SPECIAL PRECAUTIONS FOR THE DISPOSAL OF UNUSED PRODUCTS OR WASTE MATERIALS, IF ANY

Disposal: read package leaflet.

13. THE WORDS “FOR ANIMAL TREATMENT ONLY” AND CONDITIONS OR RESTRICTIONS REGARDING SUPPLY AND USE, IF APPLICABLE

For animal treatment only. To be supplied only on veterinary prescription.

14. THE WORDS “KEEP OUT OF THE SIGHT AND REACH OF CHILDREN”

Keep out of the sight and reach of children.

15. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER

VIRBAC
1ère avenue 2065m LID
06516 Carros
France

16. MARKETING AUTHORISATION NUMBER(S)

Vm 05653/4229

17. MANUFACTURER’S BATCH NUMBER

Batch:

B. PACKAGE LEAFLET

PACKAGE LEAFLET:
Nytox 1000 mg/g Powder for Solution for Fish Treatment (UK(NI))

1. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER AND OF THE MANUFACTURING AUTHORISATION HOLDER RESPONSIBLE FOR BATCH RELEASE, IF DIFFERENT

Marketing authorisation holder:

VIRBAC
1ère avenue 2065m LID
06516 Carros
France

Manufacturer responsible for batch release:

Elara Pharmservices Europe Ltd
239 Blanchardstown Corporate Park
Ballycoolin
Dublin D15 KV21
Ireland.

2. NAME OF THE VETERINARY MEDICINAL PRODUCT

Nytox 1000 mg/g Powder for Solution for Fish Treatment

Tricaine methanesulfonate

3. STATEMENT OF THE ACTIVE SUBSTANCE(S) AND OTHER INGREDIENT(S)

This veterinary product is a white to off-white powder, a Powder for Solution for fish treatment for dissolution in water and subsequent topical application.
1 g of product contains 1000 mg of tricaine methanesulfonate and no other active ingredients or excipients.

4. INDICATION(S)

For use in an immersion bath for sedation, immobilisation and anaesthesia of fish for: vaccination, transportation, weighing, tagging, clipping, stripping of breed stock, blood-sampling and surgical procedures.

5. CONTRAINDICATIONS

Do not use with the following tropical fish species:
Apistogramma (Mikrogeophagus) ramirez, *Balantiocheilos melanopterus*, *Etroplus suratensis*, *Melanotaenia maccullochi*, *Monodactylus argenteus*, *Phenacogrammus interruptus* and *Scatophagus argus*

6. ADVERSE REACTIONS

None known.

If you notice any side effects, even those not already listed in this package leaflet or you think that the medicine has not worked, please inform your veterinary surgeon.

7. TARGET SPECIES

- 1) Ornamental fish, or their development stages, and
- 2) Breeding and juvenile stages of fish.

8. DOSAGE FOR EACH SPECIES, ROUTE(S) AND METHOD OF ADMINISTRATION

An aqueous solution of the product is used in an immersion bath for sedation, immobilisation and anaesthesia of fish, both ornamental and those intended for human consumption.

The following examples of dose rates and exposure times are based on laboratory and field experience:-

		Concentration Mg/litre of water	Immersion time (mins)
Trout species (7-17°C)			
Sedation		10-30	Up to 480
Anaesthesia	Light	30-80	Up to 30
	Deeper	80-180	Up to 10
Salmon species			
Sedation		7-30	Up to 240
Anaesthesia	Light	30-80	Up to 10
	Deeper	80-100	Up to 5
Bass species			
Sedation		8-30	Up to 480
Anaesthesia	Light	30-70	Up to 20
	Deeper	70-100	Up to 4
Carp species			
Sedation		20-30	Up to 1440
Anaesthesia		30-200	Up to 8
Fresh water tropical fish			
Sedation		30-50	Up to 1440

9. ADVICE ON CORRECT ADMINISTRATION

A number of factors influence the efficacy and safety of the product, including concentration of the drug in water, duration of exposure, temperature, oxygen and density of biomass. Because of these variable factors it is strongly recommended that a test of the selected drug concentration and exposure time is conducted with a small group of representative fish before large numbers are medicated, particularly

when water temperature is at the upper or lower ends of the normal temperature ranges for the species being treated. The product should be dissolved in water of the same composition and characteristics as that to which the fish are accustomed. As the product has good aqueous solubility, it may be added directly to the container. Effects on the fish should be monitored as the product is gradually introduced.

Before anaesthesia, or prolonged sedation, fish should be fasted for 12 to 24 hours. During treatment they should be stocked at a density not exceeding 80g/litre. To minimise damage and loss when medicated for long periods for transport etc. The level of sedation should allow fish to maintain their equilibrium and swimming position. Aeration should be provided unless sedation, or anaesthesia, is of short duration. In anaesthesia loss of reflexes takes place in one to fifteen minutes after immersion depending upon concentration employed. Narcotised fish should be removed from medicated water and returned to their normal environment as soon as possible, when recovery will take between one and 30 minutes.

10. WITHDRAWAL PERIOD(S)

Withdrawal period: 70 degree days after the end of treatment.
Fish must not be slaughtered for human consumption during treatment.
Do not use during stripping of fish eggs intended for human consumption.

11. SPECIAL STORAGE PRECAUTIONS

Keep out of the sight and reach of children.

Store in a dry place.
Store in the original container.
Keep the container tightly closed in order to protect from moisture.
Protect solution from direct sunlight.

Do not use this veterinary medicinal product after the expiry date which is stated on the label.

The expiry date refers to the last day of that month.

Shelf life after dilution or reconstitution according to direction: 12 hours

12. SPECIAL WARNING(S)

Special warnings for each target species:

None.

Special precautions for use in animals:

Do not exceed the dose recommended for each category of fish.

Brood stock anaesthetised for stripping should be immersed in unmedicated water immediately before collection of eggs or milt to avoid significant direct contact of either with the product.

As solutions of the veterinary medicinal product are slightly acidic, the use of phosphate or imidazole buffer has been proposed to reduce stress.

Special precautions to be taken by the person administering the veterinary medicinal product to animals:

People with known hypersensitivity to tricaine methanesulfonate should avoid contact with the veterinary medicinal product.

Impermeable rubber gloves should be worn when handling the veterinary medicinal product.

Avoid contact with skin and eyes. In case of accidental contact, immediately wash the affected area with plenty of clean running water. If irritation persists, seek medical advice.

Do not create dust when handling the powder or preparing the anaesthetic solution. In case of accidental inhalation of dust, move to fresh air and if breathing is affected, seek medical advice immediately and show the package leaflet or the label to the physician.

In situations where dust is created when handling the powder, wear a disposable half mask respirator conforming to European Standard EN 149 or a non-disposable respirator to European Standard EN 140 with a filter to EN 143.

Do not eat, drink or smoke whilst handling this product.

Wash hands after use

In case of accidental ingestion, seek medical advice immediately and show the package leaflet or the label to the physician.

Overdose (symptoms, emergency procedures, antidotes):

Remove fish immediately to aerated water of the same composition and temperature that is free from anaesthetic. Overdose or prolonged exposure to the product may cause respiratory failure and death.

Incompatibilities

In the absence of compatibility studies, this veterinary medicinal product must not be mixed with other veterinary medicinal products.

Other Precautions:

In order to protect the environment, used solution must either be filtered using activated charcoal filters prior to dilution in the effluent to be discharged from the farm or it must be transferred to a holding tank filled with water with subsequent controlled

release for dilution in the effluent to be discharged from the farm. See section 13 or further details.

13. SPECIAL PRECAUTIONS FOR THE DISPOSAL OF UNUSED PRODUCT OR WASTE MATERIALS, IF ANY

Used solution must be transferred to a holding tank filled with water with subsequent controlled release for dilution in the effluent to be discharged from the farm.

Transfer of used solution to a holding tank filled with water and controlled release for dilution in effluent will ensure that the concentration of spent tricaine methanesulfonate in discharge water does not exceed $1 \mu\text{g}\cdot\text{L}^{-1}$. When releasing the solution from the holding tank, flow rates are calculated based on the following equation:

$$\text{Discharge (L/hr)} = \frac{\text{Farm flow rate (L/min)} \times 0.90 \text{ (safety factor)}}{\text{Holding tank concentration (mg/L)}} \times 60$$

Eg. Holding tank concentration (mg/L)	Farm flow rate (L/min)	Discharge flow from holding tank (L/h)
10	10,000 / 20,000 / 30,000	54 / 110 / 160
50	10,000 / 20,000 / 30,000	11 / 22 / 32
100	10,000 / 20,000 / 30,000	5.4 / 11 / 16
200	10,000 / 20,000 / 30,000	2.7 / 5.4 / 8.1

Any unused veterinary medicinal product or waste materials derived from such veterinary medicinal product should be disposed of in accordance with local requirements.

Ask your veterinary surgeon how to dispose of medicines no longer required. These measures should help to protect the environment.

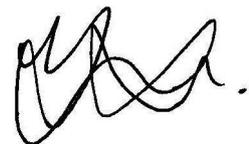
14. DATE ON WHICH THE PACKAGE LEAFLET WAS LAST APPROVED

April 2023

15. OTHER INFORMATION

Pack sizes for this product: 1000g

For any information about this veterinary medicinal product, please contact the local representative of the marketing authorisation holder.



Approved: 27 April 2023