

eSHa gdex® - AGAINST SKIN FLUKES, GILL FLUKES AND TAPEWORMS

VETERINARY MEDICINE FOR ORNAMENTAL FISHES IN AQUARIA

How do i know when to use eSHa gdex®?

Disease diagnosis is the first step towards successful and rapid disease cure. Most fish diseases are highly contagious and spread quickly in aquarium conditions so prompt diagnosis and treatment is advised. There are some 'early warning signals' which should be watched for as these can indicate the onset of a disease.

Skin: - the skin is the first line of defence and as such it is often the first to show signs of attack from infection. Any changes in skin colour or appearance should be closely watched for.

Fins: - watch your fish's fins. Fins which are held close to the body signal an illness, particularly on live bearing fish.

Swimming behaviour: - unusual or sluggish swimming behaviour can indicate the onset of a disease.



What fish can be treated with eSHa gdex®?

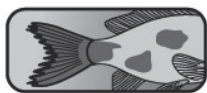
- Tropical fish ✓
- Coldwater fish ✓
- Marine fish ✓

eSHa gdex® is well tolerated by ornamental fish. We did not observe any negative effects on crustaceans, snails and clams. There is not enough information to make statements about the effects on invertebrates such as corals, anemones, etc. This product can also be used with marine fish in quarantine tanks.

What does it treat?

eSHa gdex® treats skin and gill flukes (Monogenea like Gyrodactylus sp. And Dactylogyrus sp.) And tapeworms (Cestoda). [Not effective against most Nematodes].

SYMPTOMS OF SKIN FLUKES, GILL FLUKES AND TAPEWORMS:



excessive mucus secretion; clamped fins which can become ragged and sore;



your fish starts to rub its whole body against plants, decoration, rock and gravel; in advanced stages, white or yellow spots or lesions are visible on the skin (due to secondary infection); rubbing the head or near the gill plates;



small red or bloody skin patches along the body; discolorations;



irregular breathing; breathing through only one of the gills; spreading the gills wide open;

slow swimming or hovering; pale and swollen gills that can extend beyond the gill plates; your fish remain listless and lethargic and will be swimming at the surface in advanced stages.



the fish quickly loses weight, despite the normal quantity of food. Even when the amount of food is increased, the fish does not gain weight and looks emaciated.

Not all fish have the symptoms. Often the symptoms are limited to one single fish species or to related fish species. Skin and gill flukes are practically invisible to the eye but can be made visible under a microscope with a relatively low magnification (10-200x). Skin and gill flukes are generally fish species-specific but they can be transferred to other fishes, through fishnets and plants or through water.

Side effects and contraindications: non known

Precautions

- Always remove chemical 'active' filter media such as activated carbon, uv, oxidisers, resins etc. You may continue to filter over non-adsorbing materials such as filter-wool, sand, gravel etc.
- Switch off uv lights and remove resins during the treatment because they can affect the product.
- Filter contents must be cleaned regularly and filters kept running day and night. In case of failure,

- provide a replacement source of oxygen.
- The water quality should be acceptable before using the product. It is advisable to perform a 20-25% water change every month.
- Replacing some of the water during or just after treatment effectively removes some of the treatment. Compensate by adding a proportional amount of medication after a water change.

eSHa gdex® - AGAINST SKIN FLUKES, GILL FLUKES AND TAPEWORMS

Interactions with other products

- Never combine treatments unless the manufacturer specifically states that it is safe to do so.
- Chemically active substances, such as (fresh) active carbon, excessive use of dechlorinators, uv, oxidizers, etc. Can adsorb the product or release toxins. In that case remove active carbon etc. And perform a large water change without using water conditioners.
- eSHa gdex® can safely be used in combination with all our other freshwater medicines. Each product dosed in the standard dosage.

Fish which are in a weakened condition or are damaged by any of the aforementioned parasites can often become vulnerable to 'super-infections' (this means that the fish suffer from several different diseases at the same time). This further complicates matters and can drive the aquarium hobbyist to despair. However, eSHa gdex® and eSHa EXIT® - Anti Whitespot Treatment and/or eSHa 2000® - Fungus, Finrot and Bacteria Treatment or eSHa HEXAMITA® - Discus Disease Treatment can safely be used in combination to provide you with a powerful and broadly effective tool for curing your fish.

How do I keep my fish in good health?

To maintain the best possible balance in your aquarium it is recommended to use eSHa OPTIMA® (trace elements, minerals and vitamins which stimulate and support the natural immune defences and speed up recovery after the treatment with eSHa gdex®) and eSHa PRO-PHYLL® (plant food and nutrition). It is also important to regularly check your water quality using eSHa aqua quick test. This will help your aquarium to look at its finest every day and it will be enjoyed by your friends and relatives. A flourishing aquarium is an ornament in your home or office.

Composition

1 ml contains: 66 mg of praziquantel.

Dosage

1 Calculate the volume of your aquarium. Calculate only the area occupied by water.

Litres:	Length x Width x Depth in cm	/ 1000
Gallons:	Length x Width x Depth in inches	/ 276
1 Litre = 0.22 Gallons		1 Gallon = 4.54 Litres

2 Locate your aquarium volume on the dosage scale (metric or imperial). Read down to find the corresponding number of drops required for days one, two and three. Note: Dosage on days two and three is identical.

3 Add drops of eSHa gdex® to your aquarium by holding the bottle upside down and squeezing the pipette (100 drops = 3.2ml).



Standard dosage:

- Day 1: 1 drop for 1 litre aquarium water
- Day 2: 0.5 drop for 1 litre aquarium water
- Day 3: 0.5 drop for 1 litre aquarium water
- Day 5: 20-50% water change.

In addition to the standard dose:

When treating tapeworms (Cestoda) or persistent monogenea:

- Day 8: 1 drop for 1 litre aquarium water
- Day 9: 0.5 drop for 1 litre aquarium water
- Day 10: 0.5 drop for 1 litre aquarium water
- Day 12: 20-50% water change.

Special dosage:

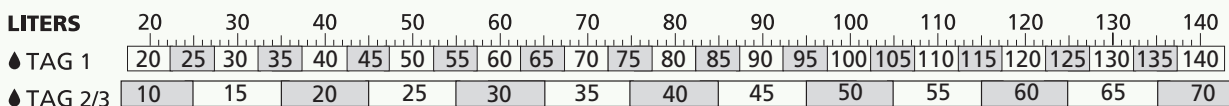
- When the fish are infected with Gyrodactylus (live bearing Monogenea):

- Day 1: 1 drop for 1 litre aquarium water

In cases with little or no improvement a 50% water change is recommended without dechlorinators or oxidizers, after which the treatment can be repeated. If any unknown complication occurs, do a partial water change and contact your retailer immediately.

This product breaks down biologically. If you wish to use another treatment straight after using eSHa gdex®, you can remove all components by filtering over fresh active carbon or preform a major water change.

One bottle of eSHa gdex® (20ml) is enough to complete the standard dosage for a 300 litres (66 gallons) tank.



eSHa gdex® - AGAINST SKIN FLUKES, GILL FLUKES AND TAPEWORMS

Warnings

- Veterinary medicine for ornamental fishes in aquaria
- Do not use with animals that are intended for consumption
- Keep out of reach of children - store bottle and leaflet in original packaging
- This product may stain if spilt
- Store frost-free in a cool, dark place
- Do not use after expiry date - wash away product remainders with plenty of water
- Dispose completely empty packaging in the household refuse
- Shelf life after first time opening: 12 months. After this the effectiveness may decrease
- This information is subject to change. Please check if you have the latest version

- This information is general product information not to be mistaken for the instruction leaflet. No rights can be derived from this document.

This veterinary product is marketed in accordance with the small animal exemption scheme. Authorisation number: 2115-FG.

Retail packaging: 20ml for 300 litres / 66 gallons.
Wholesale packaging: 180ml - 300ml - 500ml.

TOGETHER WE WILL FIND THE SOLUTION!

eSHa Labs
P.O. Box 431
NL 6200 AK Maastricht
The Netherlands

