

## FIRST AID FOR ORNAMENTAL FISH

### **SIMPLE, SAFE AND EFFECTIVE**

**Our goal is to help you to reestablish the health and wellbeing of your ornamental fish through an effective, reliable and safe treatment.**

To achieve this goal we offer a balanced line of medical products to treat the most common illnesses. From universal to specific applications, from an uncertain to a specific diagnosis: the range of medical products offered by Aquarium Münster covers a wide spectrum of indications.

Discover for yourself how easily you can familiarize yourself with the symptoms of most typical illnesses and how you can treat these with a manageable number of medical products. Regardless of your level of experience, simplicity and security in administration are the keys to successful and rapid treatment. For the health of your ornamental fish and for your enjoyment of your aquarium.

All medical products from Aquarium Münster are manufactured with the GMP guidelines - the pharmaceutical industry's internationally standardized quality standards.

**Our products are the result of many years of research, development and testing. In conjunction with continuous monitoring this offers you the security of knowing you are using products with a high degree of effectiveness, reliability and tolerance. In the end all this benefits your ornamental fish.**

The range of remedies of Aquarium Münster cover a wide spectrum of indications.



# SECURE HELP AGAINST PROTOZOA AND FUNGAL INFECTIONS

Ornamental fish infected with protozoa become apathic and lose weight rapidly. The gills remain open and the fish exhibits increased respiratory activity up to acute respiratory distress.

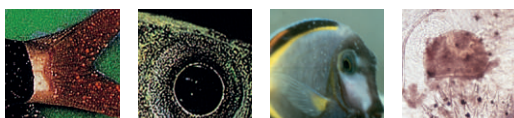


## Velvet

Velvet infections are usually caused by protozoan parasites. Visible symptoms are white, granular lesions (Ichthyophthirius), pale grey velvet-like films or barely visible spots on the gills, fins and body, which may spread.

Infected ornamental fish contract their fins and attempt to remove the parasites by rubbing. Fish on which the infection is particularly pronounced on the gills quickly become apathic and lose weight rapidly. The gills remain open and the fish exhibits increased respiratory activity which can reach levels of acute respiratory distress.

**Ichthyophthirius** ("White Spot"), **Oodinium ocellatum** (coral fish disease), **Cryptobia**, **Cryptocarin**, **Brooklynella**, **Chilodonella**, **Ichthyobodo**, **Trichodina**



## Fungus

Cotton-like tufts on the gills, body and fins are visible indications of the infection. Advanced stages are frequently accompanied by secondary bacterial infections.

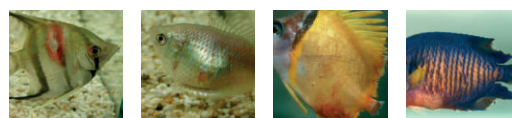
### Achlya, Saprolegnia



## Bacterial infections

Visible symptoms for bacterial infections are changes such as losses of skin and scales, areas of surface cracking to deep pitting, wounds, ulcers, frayed fins, popeye ("Exophthalmus"), lurching movements, spasms, distended abdomen ("dropsy"), protruding scales.

### Aeromonas, Streptokokken, Columnaris, etc.





### FRESH WATER

Against Ichthyophthirius and  
secondary bacterial infections

## FAUNAMOR AGAINST WHITE SPOT

FAUNAMOR interrupts the disease's development cycle, heals Ichthyophthirius infections and prevents potential secondary bacterial infections.

#### Package sizes:

for 600 l / 3,000 l / 30,000 l  
aquarium water



### FRESH AND MARINE WATER

Against protozoa  
("Velvet")

## ODIMOR AGAINST SPOTS AND VELVET-LIKE FILMS

ODIMOR acts quickly and reliable against all kinds of protozoa. Treatment with ODIMOR effectively controls parasites and quickly stops the progress of disease.

#### Package sizes:

for 500 l / 2,500 l / 25,000 l  
aquarium water



### FRESH AND MARINE WATER

Against fungal diseases and  
secondary bacterial infections

## DESSAMOR AGAINST COTTON-LIKE TUFTS

DESSAMOR heals and is an effective preventative. It fights against the fungal infection and protects against potential associated bacterial infections. DESSAMOR is highly effective and very well tolerated (not for invertebrates).

#### Package sizes:

for 400 l / 2,000 l / 20,000 l  
aquarium water



SAFE FOR  
CORALS

### FRESH AND MARINE WATER

Against protozoa  
("Velvet")

## PROTOMOR AGAINST SPOTS AND VELVET-LIKE FILMS

PROTOMOR is used especially for the initial stage of infections and slight diseases. It is tolerable for invertebrates like corals, anemones, snails, mussels.

#### Package sizes:

for 500 l / 2,500 l / 25,000 l  
aquarium water



Infections of ornamental fish with worms, multicellular parasites or intestinal flagellates may be introduced by wild-caught fish or live food.



## HELP FOR YOUR FISH WORMS, PARASITES AND INTESTINAL FLAGELLATES

### Worms and other parasites

Fish infected with gill flukes show signs of rapid breathing. The symptom of tapeworm infection in fish is acute weight loss despite normal feeding habits. Fish which are infested with skin flukes try to rid themselves of the parasites by rubbing and scratching. Fish lice and anchor worms are clearly visible on the skin.

**Skin flukes (Gyrodactylus), gill flukes (Dactylogyrus), tape worms (Cestodes), fish lice (Argulus) and anchor worms (Lernaea)**

### Intestinal flagellates

Symptoms of intestinal flagellates include weight loss, whitish-slimy faeces, a tendency to remain in isolation from other fish and, in advanced stages, whitish holes developing around the head, especially in cichlids like the discus ("hole in the head disease").

**Hexamita, Spironucleus**



### FRESH AND MARINE WATER

Against skin and gill flukes  
and tape worms

## DACTYMOR, ACTIVE INGREDIENT: PRAZIQUANTEL AGAINST RESPIRATORY PROBLEMS, LOSS OF WEIGHT, WHITISH FECES

Praziquantel treats effectively skin flukes (Gyrodactylus), gill flukes (Dactylogyrus) and tape worms (Cestodes). With skin flukes and tape worms a single treatment is enough. Against gill worms whose eggs are not covered, the treatment must be repeated after one week.

**Package sizes: for 400 l / 2,000 l aquarium water**



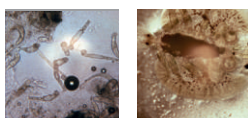
### FRESH AND MARINE WATER

Against skin and gill flukes,  
tape worms, fish lice, anchor worms

## ARGUMOR, ACTIVE INGREDIENT: DIFLUBENZURON AGAINST RESPIRATORY PROBLEMS, LOSS OF WEIGHT, WHITISH FECES, FISH LICE, ANCHOR WORMS

ARGUMOR treats skin worms, gill worms and tape worms as well as fish lice (Argulus) and anchor worms (Lernaea).

**Package sizes: for 400 l / 2,000 l / 20,000 l aquarium water**



### FRESH AND MARINE WATER

Against Hexamita and  
Spironucleus

## HEXAMOR, ACTIVE INGREDIENT: 2-AMINO-5-NITROTHIAZOLE AGAINST LOSS OF WEIGHT, WHITISH FECES, "HOLE IN THE HEAD DISEASE"

Due to the intestinal infestation fish are not able to properly use the nutrients. This causes the typical whitish holes in the head. HEXAMOR treats infections with intestinal flagellates as Hexamita and Spironucleus.

**Package sizes: for 400 l / 2,000 l / 20,000 l aquarium water**



Infected fish may show symptoms like yellow/white mucous-like films, wounds and inflammations.



## UNIVERSAL TREATMENT AGAINST NUMEROUS INFECTIONS

**Infectious diseases in ornamental fish often show symptoms such as yellow/white mucous-like or cotton-like films as well as ulcers, wounds and inflammation.**

Other indications include blood spots, loss of skin and scales, raised scales, fin rot, darkening of the mucous membranes, white mouth, lurching movements ("staggering disease"), pop-eye (exophthalmia) as well as swollen abdomen ("dropsy").

Sometimes the diagnosis is uncertain. Secondary infections that weaken the fish, make it difficult to identify the main infection itself. In some cases there may be various infections parallel. In these cases, a treatment with an universal treatment that covers a wide spectrum of agents, is recommended.

In hopeless cases it might be necessary to kill a sick, intractable fish humanely and painlessly.





**FRESH AND MARINE WATER**  
Against most infections of  
ornamental fish

## MEDIMOR AGAINST NUMEROUS DIFFERENT SYMPTOMS

MEDIMOR is a particularly reliable, effective and well tolerated treatment against most infections. With the active ingredient Methyl orange medimor has a very effective component against bacteria.

**Package sizes:**

for 800 l / 2,670 l / 26,700 l aquarium water



**FRESH AND MARINE WATER**  
For the treatment of fish,  
invertebrates and for disinfection

## EKTOMOR AGAINST NUMEROUS DIFFERENT SYMPTOMS

The formular of EKTOMOR has a disinfectant effect and fights the illness. EKTOMOR can be used in different concentrations from prophylactic use to disinfections up to healing.

**Package sizes:**

for 500 l / 2,500 l / 25,000 l aquarium water



**FRESH AND MARINE WATER**  
Against bacteria, viruses  
and other infections

## VIRUMOR (ACTIVE INGREDIENT: PENTAKALIUM- BIS(PEROXYMONOSULFAT)-BIS(SULFAT)) AGAINST SWELLINGS, WOUNDS, ULCERS, FIN ROT

VIRUMOR, active ingredient: potassium peroxymonosulphate, treatment against bacterial infections (Aeromonas, Pseudomonas, Streptococcus, Columnaris, etc.), viral diseases (KHV, ISA and IPN, etc.) and fungal infections (Saprolegnia, Achlya).

**Package size:**

for 200 l / 12,000 l aquarium water



Not only the right formular is important but the right dosage, too.

## FURAMOR-P WITH THE PATENTED DOSING SACHET

### FURAMOR-P with the patented dosing sachet

The gentle way of healing ornamental fish is going on. After all, not only the correct formular is important, but the right dosage, too. To ensure this, we have developed a patented dosing system represented by the letter "P". The dosing sachet releases the active ingredients into the aquarium water uniformly and gently throughout the entire course of treatment - never too much, never too little and only as long as necessary.

Subsequent dosing is no longer required and, should the fish recover more rapidly than anticipated, treatment can be stopped immediately by just taking away the dosing sachet. This gives the aquarist total assurance that fish already weakened by illness are not further stressed by the treatment itself.





## FURAMOR-P AGAINST NUMEROUS DIFFERENT SYMPTOMS

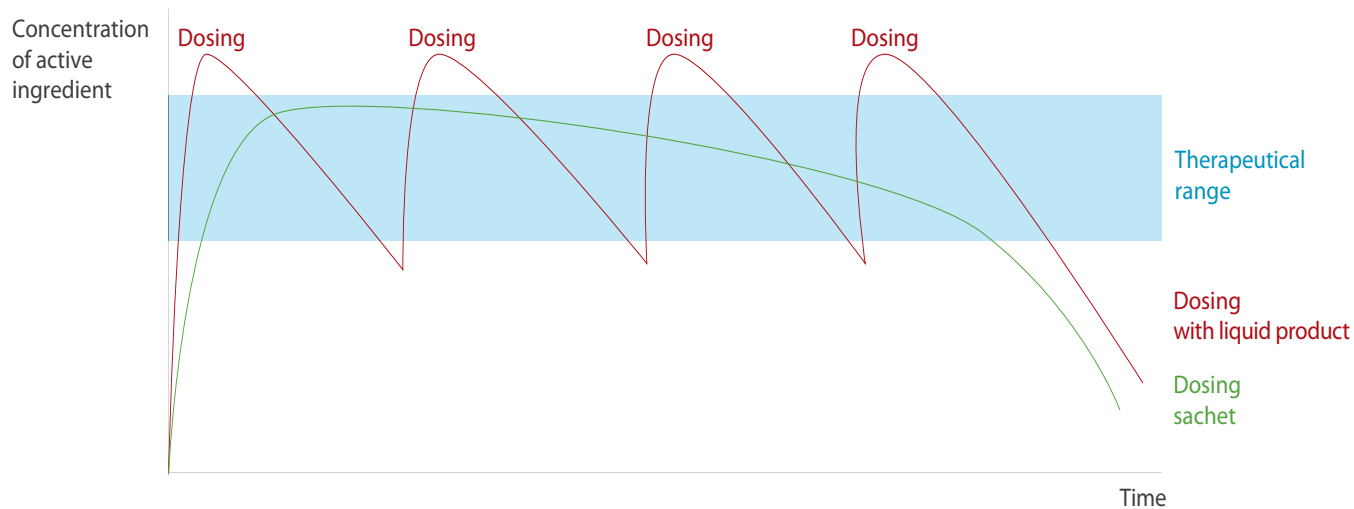
FURAMOR-P acts universally and safely. FURAMOR-P is an universal medication for all external infections and is characterized by its high degree of effectiveness, reliable protection and excellent tolerance.

Package sizes:

for 200 l / 1,000 l aquarium water

### FRESH AND MARINE WATER

Against most infections of  
ornamental fish



Our filter media remove finer dirt and mechanical opacities. The care products bind, neutralize or remove harmful substances reliably.



## AQUAVITAL SYSTEMATIC PROTECTION AND CARE

**Hazardous environmental influences present an ever increasing burden on our daily life.**

This is a development that also affects ornamental fish. And it starts in the aquarium water whose quality is, after all, decisive for the aquarium's biological equilibrium. The AQUAVITAL system - whose individual products have been selected to optimally supplement one to each other - creates ideal living conditions in the aquarium.

Aside from the coarse contaminants that are trapped by the filter material (mechanical filtration), water also contains toxic chemical elements. These degradation products of organic waste (fish excrement, plant residue, excess food) are broken down by efficient filters. The mechanical filtration is done in the different layers of filter materials of different density.

Important function of the filter material for the biological filtration is the ability to host the greatest possible number of microorganisms to clean the aquarium water of its organic waste. Aquarium Münster products for the mechanical and biological filtration are characterized by their high level of quality and complete each other perfectly.

**In addition to that, the water may be contaminated by heavy metals, phosphates or other harmful substances. Many aquarists do not know, that in many countries almost all water suppliers from time to time use chlorine to prevent the contamination of the transmission network. With the various water conditioners of the aquavital series contaminants are reliably bound, neutralized or removed.**



### FRESH WATER

Reliable analysis of the six most important parameters in 60 seconds

## AQUAVITAL MULTITEST 6in1

The AQUAVITAL MULTITEST 6in1 allows you to quickly, easily and reliably determine the six most important parameters for fresh water: pH, Total Hardness (GH), Carbonate Hardness (KH), Nitrite (NO<sub>2</sub>), Nitrate (NO<sub>3</sub>) and Chlorine (Cl<sub>2</sub>).

**Package size:**

50 x 6 tests = 300 tests



### FRESH AND MARINE WATER

With bio-colloids  
+ power chlor-ex

## AQUAVITAL CONDITIONER+

AQUAVITAL CONDITIONER+ binds and neutralizes harmful heavy metals, neutralizes chlorine in a few seconds and stabilizes the pH. Valuable bio-colloids benefit the protecting mucous membrane.

**Package sizes:**

for 100 / 500 / 1,250 / 25,000 l  
aquarium water



### FRESH AND MARINE WATER

With Aloe vera,  
iodine and vitamin C

## AQUAVITAL STRESS-PROTECT

With a balanced combination of 40 % Aloe vera together with iodine and vitamin C, AQUAVITAL STRESS-PROTECT strengthens the immune system of ornamental fish making them more resistant to pathogens and promoting healing.

**Package sizes:**

for 100 / 500 / 1,250 / 25,000 l  
aquarium water



### FRESH AND MARINE WATER

Optimal settlement of microorganisms on 1,250 m<sup>2</sup> per litre

## AQUAVITAL ZERANIX

AQUAVITAL ZERANIX is a purely natural silicate stone that is characterised by its extremely large available surface area of 1,250 square meters per litre. It provides home not only for aerobic bacteria but also for anaerobic bacteria.

**Package sizes:**

1,200 ml



### FRESH AND MARINE WATER

Innovative synthetic filter holders  
for all kind of filters

## AQUAVITAL POLYFIL

The special design of the AQUAVITAL POLYFIL filter holders prevents from becoming wedged together. The structure of the surface is particularly conducive to the optimum settlement of microorganisms. AQUAVITAL POLYFIL is easily washed out and boasts an almost unlimited scope of application.

**Package size:**

1,200 ml



### FRESH WATER

Highly concentrated humic acid  
lowers the pH effectively

## AQUAVITAL BLACK PEAT

Thanks to the wide range of organic substances and its 30 % humic acid content, AQUAVITAL BLACK PEAT is able to maintain ideal and constant pH values for ornamental fish from all soft-water areas.

**Package sizes:**

1,200 ml





## AQUAVITAL GRANU-PEAT

Granulated pure peat is the nearly dust-free alternative with long-term effect. Thanks to its special granulated form AQUAVITAL GRANU-PEAT uniformly releases valuable humic acid, trace elements, growth and mineral materials into the aquarium water, thus guaranteeing a long-term effect and water acidification.

**Package size:**  
**1,200 ml**

### FRESH WATER

lowers the pH with long-term effect



## AQUAVITAL BLUE MAGIC

AQUAVITAL BLUE MAGIC filter floss is a fully synthetic filter medium for use in all commercially available internal and external filters. Due to the special structure it can be compressed individually as desired and thus used both as coarse as well as a fine filter medium. AQUAVITAL BLUE MAGIC filter floss is very long receptive and can be washed out several times. It is also used as spawning substrate and to clean glass without leaving any scratches.

**Package sizes:**  
**100 g / 250 g / 500 g**

### FRESH AND MARINE WATER

Fully synthetic filter medium  
for internal and external filters



## AQUAVITAL WHITE MAGIC

AQUAVITAL WHITE MAGIC filter floss is a fully synthetic, fine filter floss. It is chemically neutral and can be used in fresh and marine water. It is easily washed out and can be used several times.

**Package sizes:**  
**100 g / 250 g / 500 g**

### FRESH AND MARINE WATER

Classical white filter floss  
for fine filtration



## AQUAVITAL CARBON

AQUAVITAL CARBON is a high performance activated carbon made of valuable hard coal. Due to the special pellet-form AQUAVITAL CARBON is highly resistant to mechanical strain and has a very low share of dust.

The optimized structure enables an extraordinary high capacity. AQUAVITAL CARBON adsorbs ozone, organic waste products, colors and medications. A brownish or yellow coloration of the water will be removed in a few hours.

**Package sizes:**  
**500 ml / 1,000 ml**

IODINE  
NUMBER  
> 900 m<sup>2</sup>/g  
SURFACE  
950 m<sup>2</sup>/g  
PELLET SIZE  
3 mm

### FRESH AND MARINE WATER

ph-neutral activated carbon without  
phosphates



## AQUAVITAL PHOSPHATE ADSORBER

AQUAVITAL PHOSPHAT ADSORBER is a moisty phosphate binder with extraordinary high exhaustion rates. Even after exhaustion of the material there is no emission of phosphate to the water, like with many other similar products.

**Package sizes:**  
**250 ml / 1 000 ml**

**CAPACITY:**  
**> 50 g PO<sub>4</sub>/kg**  
**SURFACE (BET):**  
**300 m<sup>2</sup>/g**  
**PELLET SIZE:**  
**0,5 - 2,0 MM**

### FRESH AND MARINE WATER

Adsorbs phosphate and silicate  
without releasing aluminium



## AQUAVITAL BACTOSPRINT

Innovative 2-components-product. The balanced mixture of bacteria and enzymes in the sealed capsule of the cap is activated in a nutrient solution immediately before use. AQUAVITAL BACTOSPRINT shortens the aquariums "set-up-phase", neutralizes ammonium, ammoniac, nitrite and nitrate and strengthens the ecosystem.

**Package sizes:**  
**for up to 500 l of water / 6-weeks-cure**

### FRESH AND MARINE WATER

Active in one turn!



## AQUAVITAL PLANTAPLUS

Highly effective compound fertilizer with plant nutrients and trace elements. The use of AQUAVITAL PLANTAPLUS guarantees abundant growth, even in problem plants, without excessive algae formation. In addition to the valuable trace elements (e.g. manganese, zinc, cobalt), AQUAVITAL PLANTAPLUS contains a high-quality form of bivalent iron. AQUAVITAL PLANTAPLUS does not contain phosphates or nitrates.

**Package sizes:**  
**for 100 / 500 / 1,250 / 25,000 l aquarium water**

### FRESH WATER

Compound fertilizer  
for aquarium plants



## AQUAVITAL PURECLEAN

AQUAVITAL PURECLEAN is an effective product for descaling and cleaning pumps, CO<sub>2</sub> reactors and similar aquarium or pond equipment. AQUAVITAL PURECLEAN is entirely safe for use on plastic and metal surfaces and on seals. It does not leave any chemical residues on the treated equipment after rinsing. The product is much more effective and acts far more quickly than substances like vinegar or citric acid.

**Package size:**  
**500 ml**

### FRESH AND MARINE WATER

Intensive cleaning  
and descaling

**HARDNESS**  
**> 56 SHORE A**



### FRESH AND MARINE WATER

Glues and seals  
under water

## ORCA UNDERWATER GLUE

Glues and seals even in full aquariums or ponds. Does not contain any solvents, isocyanates and silicones. Can perfectly be used for sealing in moisture and high temperatures.

**Package sizes:**  
**75 g / 450 g**



### FRESH AND MARINE WATER

For temporary repairs

## ORCA TAPE

Self-fusing tape to seal damaged pipes and to insulate electric cables. orca tape can be applied to virtually any material. It is ideal for temporary repairs.

**Package size:**  
**1 role at 3 m**

ORNAMENTAL FISH  
PRODUCT RANGE



### FRESH AND MARINE WATER

Fast and easy connection of corals  
and decoration materials

## ORCA CONNECT

For fixing corals and aquarium decoration. Very easy and clean to handle. Chemically neutral, does not release any undesirable substances to the aquarium water. Any unused material residues can be used by remelting fully again.

**Package size:**  
**150 g**



### FRESH AND MARINE WATER

Epoxy-2-components-glue

## ORCA CONSTRUCT

2-components-glue for fixing corals, decorations and stones. For the repair of damages and holes on pipes, sanitary equipments, pools, tanks, etc.

**Package size:**  
**115 g**



### FRESH AND MARINE WATER

Glues in seconds

## ORCA GEL-SUPERGLUE

For under water fixing of corals (e. g. Acropora) and water plants (e. g. in nano aquariums). ORCA GEL-SUPERGLUE dissolves completely in water over time and is therefore ideal for fixing growing reef elements or water plants.

**Package size:**  
**50 g**





## MISTRAL 300 + 600 AIR PUMP

MISTRAL air pumps have a durable body of aluminium and offer a long service life, even when operated continuously. They are very powerful with a low consumption of electricity and offer minimal vibration and quiet operation. The airflow can be regulated electronically.

Sizes:

**MISTRAL 300:** 150 L/h

**MISTRAL 600:** 480 L/h

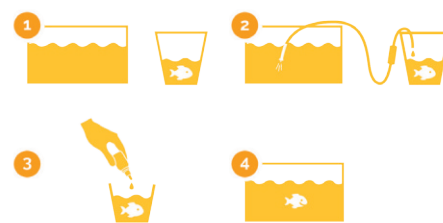
### FRESH AND MARINE WATER

Robust and durable  
in continuous operation



## SMART MOVE ACCLIMATISATION KIT

Professional tool with the necessary components to gently acclimate new livestock



### FRESH AND MARINE WATER

Acclimatisation of new livestock

