



Tropical[®]

AQUA CARE



AQUA CARE

GUIDE



Water treatment products
and other aquarium maintenance products


GB

passion&innovation[®]


PROFESSIONAL AQUARIUM

Healthy fish, perfect water!


New, impressive packagings of Tropical water treatment products




caps allow convenient
and safe opening
and closing



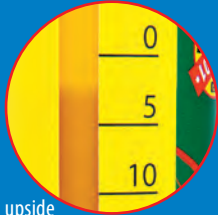
special applicator makes measuring
the exact dose much easier




clear classification system and colour-based
division into groups help to recognize
the type and intended application
of specific products



new, attractive and ergonomic bottles
make application easier



each time a guiding upside
down volume marking, showing
the quantity of the preparation
in the bottle, makes measuring easier



attractive and modern labels
contain detailed information about
possible uses and dosage
of the preparations

AQUA CARE

TROPICAL AQUA CARE is a line of professional products to ensure clear water and optimal living conditions for fish, crustaceans and plants in the tank. Many years' experience supported with laboratory research allowed for creating a remarkably advanced line of exceptionally efficient and effective products.

TROPICAL AQUA CARE trademark stands for high quality and proven effectiveness of water treatment products, tests and other products intended for preparing aquarium water and adjusting its parameters.

The combination of **TROPICAL AQUA CARE** line and TROPICAL aquarium foods guarantees

HEALTHY FISH, PERFECT WATER!

TROPICAL AQUA CARE products will help you start and maintain your tank. They are the source of trace elements, indispensable for fish's bodily functions, and nutrients for aquatic plants, which ensure their lush growth and healthy look. They include products for conditioning and preparing the water for aquarium use. These products prove so useful because most aquarium handlers use tap water disinfected with chlorine or its compounds, which are toxic to fish. Such water needs extra care to be safe for tank population.

Tropical labels allow for quick recognition of product type. Labels with the same colour background belong to the same functional group. It's very easy, see for yourself!

BLUE GROUP

They are exceptionally effective agents for conditioning and preparing aquarium water, and for correcting and optimizing its parameters: **Antychlor**, **Esklarin**, **Tropical Bacto-Active**, **Crusta Guard**, **Aquacid pH Minus** and **Aqua-Alkal pH Plus**.

BROWN GROUP

Water conditioners based on natural extracts intended for preparing black water, characteristic of Amazon's habitats and a special agent for conditioning water characterized with such parameters. Try **Torfin Complex** and **Querex** and our new, innovative products – **Ketapang Extract** and **Blacklarin** conditioner.

GREEN GROUP

This group includes fertilizers with carefully balanced trace elements and macronutrients for fish and aquatic plants. The line includes: **Aquaflozin Potassium**, **Aqua Plant**, **Ferro-Aktiv**, **Multimineral**, **Kobaltosan** and **Tropical Carbo**.

ORANGE GROUP*

Aquarium care products – exceptionally effective, proven and highly valued by professionals all around the globe – to be used among other applications for disinfecting water: **Abioseptyna**, **Chloramina** and **Algin**.

PURPLE GROUP*

General healthcare products for fish, to enjoy the beauty of the aquarium at its best. The kit includes: **Tropical Bactosan**, **Ichthio**, **CMF** and **Healthosan**.

* Products available on chosen markets.

BLUE GROUP

Conditioning and preparing aquarium water

ANTYCHLOR • Quick chlorine neutralization

- **Tropical Antychlor** is intended to quickly condition tap water intended for aquarium use
- recommended to be used when changing water or filling new tanks
- quickly neutralizes toxic chlorine (dangerous to fish) which is present in tap water disinfected with chlorine compounds
- acts immediately, hence proves very useful in emergency situations, when copious amounts of water must be changed

TREATMENT: 10 ml / 100 l of tap water; raise the temperature of water to match preference of particular species of fish, strongly aerate and filter. Always apply to newly-filled tanks and after total and partial water changes. Use simultaneously with Esklarin, Blacklarin or Crusta Guard.

CAUTION! Do not use simultaneously with other water treatment products (apart from the above mentioned).

AVAILABLE PACKING UNITS: 50 ml, 100 ml.



ESKLARIN WITH ALOE • Water conditioner

- **Tropical Esklarin** with aloe extract for conditioning tap water intended for aquarium use
- recommended for starting new tanks, changing water in already existing tanks, during convalescence and quarantine periods
- neutralises poisonous heavy metal salts
- protects fish against aggressive activity of tap water
- alleviates stress
- aloe extract soothes abrasions and accelerates the healing of damaged epidermis

TREATMENT: 10 ml / 50 l of water. Use each time you start a new tank and after total and partial water changes. Strong aeration of the tank facilitates the action of the agent. In some cases the water may foam after application. Tap water disinfected with chlorine compounds should be conditioned with Antychlor, which may be used together with Esklarin.

CAUTION! Do not use simultaneously with other water treatment products (except from Antychlor). Other agents may be used after minimum 24 hours.

AVAILABLE PACKING UNITS: 50 ml, 100 ml, 250 ml, 500 ml, 2 l.



TROPICAL BACTO-ACTIVE

Live cultures of bacteria. Bacteria for freshwater and marine tanks which speed up maturing of the tank and remove organic wastes

- **Tropical Bacto-Active** contains selected active live strains and cultures of bacteria, which enhance the reduction of the ammonium and nitrite levels in the aquarium
- recommended for new tanks with treated water, mature aquaria after changing water, filters or following medical treatment of the fish
- speeds up maturing of the tank, stimulating the growth of nitrifying bacteria
- regularly used, it ensures biological balance of the tank

TREATMENT: condition tap water with Antychlor, then use one of the agents: Esklarin with aloe, Blacklarin or Crusta Guard. Immature tanks – 5 ml / 75 l of water once a week, after 3 weeks dose as in mature tanks. Mature tanks – 5 ml / 45 l of water once a month. Salt water inhibits the efficacy of Tropical Bacto-Active, so increase the dosage by 25-50%.

AVAILABLE PACKING UNITS: 30 ml, 100 ml, 250 ml.



Tropical tip

Biological equilibrium is a state, when water and all live elements (animals, plants and microorganisms) remain in balance with one another. It can be easily disturbed by medical treatment, introducing new animals, light changes, elimination of numerous plants, biological filter cleaning or changes of large amounts of water. In such cases agents with bacteria will quickly help you to restore it.

CRUSTA GUARD • Water conditioner for aquaria with freshwater crustaceans

- **Tropical Crusta Guard** conditions tap water intended for breeding shrimps and other freshwater crustaceans
- recommended when filling new tanks or changing water
- neutralizes dangerous heavy metal salts
- alleviates stress caused by transportation, acclimatization or cleaning the tank
- protects crustaceans against aggressive influence of tap water
- inositol stimulates growth and enhances vitality, alleviates all ailments of the moulting process and encourages spawning
- D-pantenol (provitamin B₅) stimulates growth and development of crustaceans, enhances the condition and regeneration of epidermis, which proves useful during moulting period
- can be used in common tanks with both shrimps and fish

TREATMENT: 10 ml / 50 l of water, when filling new tank, changing water and during moulting period.
AVAILABLE PACKING UNITS: 30 ml.



Tropical tip

Fish are very sensitive to sudden and serious changes in pH level. Daily changes should not be higher than 0.2-0.3 pH. It's safer to adjust the pH level in the water intended for change than directly in the tank.

AQUACID pH MINUS • Lowers pH/KH of the water

- **Tropical Aquacid pH Minus** is intended for acidification of aquarium water in common and breeding tanks
- lowers the pH of the water and its carbonate hardness (KH)
- does not contain phosphoric acid
- improves living conditions and increases fish's resistance to diseases

TREATMENT: to tanks inhabited by animals add gradually, while stirring the water with filter and controlling the pH with Test pH 6.0-7.8 or Test pH 4.5-9.5 or strip test 6 in 1. The daily safe pH changes should not be higher than 0.2-0.3 pH. Do not exceed this value. To ensure the safety of the inhabitants of the tank, we recommend adding the product into the water prepared to be poured into the tank (instead of pouring it directly into the tank). Aquacid pH Minus may be used simultaneously with Torfin Complex, Querex and Ketapang Extract.

CAUTION! Do not use simultaneously with other water treatment products (apart from the above mentioned). Other agents may be used after minimum 24 hours.

AVAILABLE PACKING UNITS: 50 ml, 500 ml.



AQUA-ALKAL pH PLUS • Raises pH/KH of the water

- **Tropical Aqua-Alkal pH Plus** is intended for raising the pH of the aquarium water in common and breeding tanks
- neutralises acids dissolved in the water and raises the carbonate hardness (KH) of the water, facilitating the stabilisation of pH and KH levels in the tank
- improves fish's living conditions
- prevents daily pH fluctuations in tanks with plants

TREATMENT: to tanks inhabited by animals add gradually, while stirring the water with filter and controlling the pH with Test pH 6.0-7.8 or Test pH 4.5-9.5 or strip test 6 in 1. The daily safe pH changes should not be higher than 0.2-0.3 pH. Do not exceed this value. To ensure the safety of the inhabitants of the tank, we recommend adding the product into the water prepared to be poured into the tank (instead of pouring it directly into the tank).

CAUTION! Do not use simultaneously with other water treatment products. Other agents may be used after minimum 24 hours.

AVAILABLE PACKING UNITS: 50 ml, 500 ml.



BROWN GROUP

Conditioning and preparing black water

**KETAPANG EXTRACT** • Black water preparation

- **Tropical Ketapang Extract** is a sea almond leaves extract (*Terminalia catappa*) for establishing water conditions that facilitate breeding of ornamental fish and shrimps
- valuable ingredients extracted from sea almond leaves, and prepared in the form of a liquid, affect the parameters of water immediately after application
- Ketapang Extract increases fish's resistance to diseases
- accelerates the regeneration of epidermis, mucus coating and fins, therefore it is recommended after water changes, transportation and during acclimatization of fish to new conditions – the times when they are particularly susceptible to skin abrasions and cuts

TREATMENT: 10 ml / 50 l of water or until the water takes the desirable colour. Use after each total and partial change of water, after transportation and during acclimatization of fish to new conditions – the times when they are particularly susceptible to skin abrasions and cuts. May be used simultaneously with Torfin Complex, Querex and Blacklarin.

Ketapang Extract does not work in hard water. It does not harm useful filtration bacteria.

AVAILABLE PACKING UNITS: 50 ml.

Tropical tip

Extracts from oak bark, high grade peat or Ketapang leaves are most effective in soft and medium hard water. The hardness of water can be quickly checked with 6 in 1 strip test or KH/GH droplet test.

**QUEREX** • Oak bark extract

- **Tropical Querex** is an oak bark extract for establishing water conditions that facilitate breeding and reproduction of ornamental fish
- adds to water natural tannins – organic chemical compounds classified as tanning agents, to create living conditions similar to those in which blackwater fish live
- encourages fish to spawn
- the hatch and survival rates of the fry increase as well
- accelerates the regeneration of epidermis, mucus coating and fins of the fish
- limits fish's rubbing against elements of equipment or decorations

TREATMENT: 10 ml / 100 l of water or until the water takes the desirable colour. Use after each total and partial change of water, after transportation and during acclimatization of fish to new conditions – the times when they are particularly susceptible to skin abrasions and cuts. May be used simultaneously with Torfin Complex, Ketapang Extract and Blacklarin.

Querex does not work in hard water. To be used in soft and slightly acid water. It does not harm useful filtration bacteria.

AVAILABLE PACKING UNITS: 50 ml, 500 ml.

TORFIN COMPLEX • Peat extract

- **Tropical Torfin Complex** is a high-grade peat extract intended for establishing water conditions that facilitate breeding and reproduction of ornamental fish
- releases natural tannins and humic acids to create living conditions similar to those in which blackwater fish live
- encourages fish to spawn
- accelerates the regeneration of epidermis, mucus coating and fins of the fish
- limits fish's rubbing against elements of equipment or decorations

TREATMENT: 10 ml / 100 l of water or until the water takes the desirable colour. Use after each total and partial change of water, after transportation and during acclimatization of fish to new conditions – the times when they are particularly susceptible to skin abrasions and cuts. May be used simultaneously with Querex, Ketapang Extract and Blacklarin.

Torfin Complex does not work in hard water. To be used in soft and slightly acid water. It does not harm useful filtration bacteria.

AVAILABLE PACKING UNITS: 50 ml, 500 ml.

**BLACKLARIN** • Blackwater conditioner

- **Tropical Blacklarin** with peat extract for conditioning tap water intended for aquarium use
- recommended particularly for starting new tanks with blackwater environment, during water changes, quarantine and convalescence periods in these tanks (refers to popular neon tetras, tetras, other characins, angel-fish, discus and South American dwarf cichlids etc.)
- neutralises poisonous heavy metal salts
- protects fish against aggressive activity of tap water
- alleviates stress
- peat extract is the source of humic acids and tannins, which make the environment of the tank safe and healthy
- accelerates the regeneration of epidermis, mucus coating and fins of the fish

TREATMENT: 10 ml / 50 l of tap water. Always use in newly-filled tanks and after each total and partial change of water, after transportation and during acclimatization of fish to new conditions, when they are particularly susceptible to skin abrasions and cuts. May be used simultaneously with Torfin Complex, Querex and Ketapang Extract.

Blacklarin is intended for medium hard and soft water. It gives water slightly amber tint. Does not lower the pH level.

AVAILABLE PACKING UNITS: 50 ml.



GREEN GROUP

Trace elements and macronutrients for aquarium plants and fish

AQUA PLANT • Macronutrients for aquarium plants

- **Tropical Aqua Plant** is a fertilizer with macronutrients (N, P and K) for aquatic plants
- intended for fertilization in planted tanks with a small number of fish
- regular use of this product ensures plants' intensive growth and proper development
- strong and healthy plants contribute to creating biologically stable aquarium and limit the risk of problems with algae or bad chemical parameters of water

COMPOSITION: 10 ml of product contains: nitrogen (N) 110 mg, phosphorus (P) 10 mg, potassium (K) 160 mg.

TREATMENT: 10 ml / 100 l of water, each time the water is changed. The dose may be increased and decreased depending while observing of the growth of plants in the tank. May be used simultaneously with Kobaltosan, Multimineral and Ferro-Aktiv fertilizers.

CAUTION! Do not use simultaneously with water conditioners and pH correction agents. Fertilizer safe for shrimps. Caution is advised with species and varieties of shrimps known for their high sensitivity.

AVAILABLE PACKING UNITS: 50 ml, 100 ml.

**MULTIMINERAL** • Trace elements for fish and aquarium plants

- **Tropical Multimineral** is a fertilizer with trace elements to replenish aquarium water with indispensable elements such as: iron, zinc, copper, boron, manganese, cobalt and molybdenum
- recommended for all types of aquaria, particularly for planted tanks and breeding tanks (both with spawning pairs and the fry), during quarantine and convalescence periods, after filtration with activated carbon, to enrich distilled water and after reversed osmosis (RO)

COMPOSITION: 10 ml of product contains: boron (B) 1.2 mg, cobalt (Co) 0.2 mg, copper (Cu) 0.5 mg, iron (Fe) 8.0 mg, manganese (Mn) 0.3 mg, molybdenum (Mo) 0.2 mg, zinc (Zn) 0.2 mg.

TREATMENT: 10 ml / 100 l of water, each time the water is changed. May be used simultaneously with Kobaltosan, Ferro-Aktiv and Aqua Plant fertilizers.

CAUTION! Do not use simultaneously with water conditioners and pH correction agents. Fertilizer safe for shrimps. Caution is advised with species and varieties of shrimps known for their high sensitivity.

AVAILABLE PACKING UNITS: 50 ml, 100 ml.

**Tropical tip**

Close observation of your plants will tell you which macronutrients or trace elements they lack and which fertilizer should be used.

TROPICAL CARBO • Carbon fertilizer for aquatic plants

- **Tropical Carbo** is a fertilizer, which makes a particularly efficient source of organic carbon for aquatic plants
- regular application of the fertilizer ensures intensive growth of aquatic plants, which helps to achieve biological balance in the tank and limits the risk of problems with algae or bad parameters of water
- to achieve best results use Tropical Carbo together with relevant fertilization and keep light level adjusted to the needs of cultivated plants
- this product may be used in tanks as an exclusive source of carbon or it may be combined with carbon dioxide gas

TREATMENT: 2 ml / 100 l of water every day. In heavily planted tanks you can increase the dose to 4 ml / 100 l of water, however you must observe the behaviour of animals in the tank. Do not exceed recommended dose. May be used simultaneously with Aqua Plant, Aquaflozin Potassium, Kobaltosan and Ferro-Aktiv fertilizers.

CAUTION! Do not use simultaneously with water conditioners and pH correction agents. When using this product occasional cloudiness of water may occur but it will clear naturally after a few days.

AVAILABLE PACKING UNITS: 50 ml, 500 ml.



AQUAFLOLIN POTASSIUM • Potassium and trace elements for aquarium plants

- **Tropical Aquafloirin Potassium** is a mineral fertilizer with potassium for aquatic plants
- indispensable when shortage of potassium occurs in a tank and during first few months of a new tank, when it is not recommended to use other macronutrients
- does not contain nitrogen and phosphorus, therefore can be used in tanks with dense population of fish, where these two elements are released from fish's feces and leftovers
- carefully selected composition of this agent lowers the risk of algae infestation and provides the plants with indispensable nutrients, enhancing their growth and appearance

COMPOSITION: 10 ml of product contains: potassium (K) 130 mg, cobalt (Co) 0.2 mg, copper (Cu) 0.2 mg, iron (Fe) 12.0 mg, manganese (Mn) 0.4 mg, molybdenum (Mo) 0.5 mg, zinc (Zn) 0.3 mg.

TREATMENT: 10 ml / 100 l of water, each time the water is changed. The dose may be increased and decreased while observing the growth of plants in the tank. May be used simultaneously with Kobaltosan, Aqua Plant and Ferro-Aktiv fertilizers.

CAUTION! Do not use simultaneously with water conditioners and pH correction agents. Fertilizer safe for shrimps. Caution is advised with species and varieties of shrimps known for their high sensitivity.

AVAILABLE PACKING UNITS: 50 ml, 100 ml, 500 ml.

**Tropical tip**

When using fertilizers for aquatic plants, do not follow the dosage guidelines too strictly. Start with small doses and observe your plants' reaction. Don't be afraid to experiment. Work out your own doses.

FERRO-AKTIV • Chelated iron for plants

- **Tropical Ferro-Aktiv** is a fertilizer with iron for systematic conditioning of aquatic plants in common and planted tanks
- contains biologically absorbable iron in the form of a chelate
- when used regularly, it prevents chlorosis – plants' disease manifested by young leaves turning pale and yellow
- facilitates the photosynthesis and the production of chlorophyll in the tissues
- ensures bright and intense green coloration of aquatic plants and their lush growth

COMPOSITION: 10 ml of product contains: iron (Fe) 16 mg.

TREATMENT: 10 ml / 100 l of water, each time when the water is changed. The dose may be increased and decreased while observing the growth of plants in the tank. May be used simultaneously with Kobaltosan, Aqua Plant and Aquafloirin Potassium fertilizers.

CAUTION! Do not use simultaneously with water conditioners and pH correction agents. Fertilizer safe for shrimps. Caution is advised with species and varieties of shrimps known for their high sensitivity.

AVAILABLE PACKING UNITS: 50 ml, 500 ml.

**KOBALTOSAN** • Growth and colour enhancer

- **Tropical Kobaltosan** is a fertilizer with active cobalt ions intended for fish and plants in freshwater tanks
- accelerates growth and intensifies coloration – often after only 14 days of regular use one can notice colours getting heavily saturated and much brighter
- particularly recommended for tanks with colourful ornamental fish such as swordtails, guppies, goldfish, discus and other species of cichlids

TREATMENT: 10 ml / 100 l of water, each time the water is changed. May be used simultaneously with Aquafloirin Potassium, Ferro-Aktiv and Aqua Plant fertilizers. To strengthen colour-enhancing effect use together with colour-enhancing foods.

CAUTION! Do not use simultaneously with water conditioners and pH correction agents. Fertilizer safe for shrimps. Caution is advised with species and varieties of shrimps known for their high sensitivity.

AVAILABLE PACKING UNITS: 50 ml.



ORANGE GROUP

Disinfecting water and fighting algae

CHLORAMINA • Aquarium water and equipment disinfectant

- **Tropical Chloramina** is intended for disinfection of aquarium equipment: nets, filters, tanks etc., used for quarantine or breeding
- by releasing active chlorine Chloramina effectively fights bacteria, protozoa and fungi, dangerous to fish, which can be transmitted from one tank to another through aquarium equipment
- to neutralize Chloramina, use Antychlor in ratio 1:1

TREATMENT: 10 ml / 100 l of water, bath about 24 hours in tanks without substratum, for disinfection of equipment and nets – 10 ml / 2 l of water.

CAUTION! Do not use simultaneously with other water treatment products.

AVAILABLE PACKING UNITS: 50 ml.

**Tropical tip**

When having a few tanks, one should have separate net, hoses and other accessories for each, so that no dangerous pathogens are transmitted from one tank to another. The accessories can also be disinfected after each use. Pathogens which are not dangerous to fish in one tank may turn out life-threatening to population in another tank.

**ABIOSEPTYNA** • Universal disinfectant

- **Tropical Abioseptyna** is a multi-purpose disinfectant, which protects fish against bacteria, protozoa and fungi
- protects the eggs and hatch of delicate species of fish against the invasion of fungi and bacteria
- to be used for preparing short-term and long-term baths in case of ectoparasites such as protozoa and skin and gill flukes
- can be used for rinsing live food

TREATMENT: in common and sanitary tanks – 10 ml / 100 l of water, long-term bath (up to 7 days). In case of ectoparasites repeat the treatment after a week. Rinsing live food and aquatic plants – 5 ml / 10 l of water. When using Abioseptyna, strongly aerate the water in the aquarium. Having finished the treatment in the common tank, remove the remains of the product through regular water changes and filtration with activated carbon. Next use Multimineral and Tropical Bacto-Active.

CAUTION! Do not use simultaneously with other water treatment products.

AVAILABLE PACKING UNITS: 50 ml.

**ALGIN** • Eliminates green algae

- **Tropical Algin** is an algicide for fighting and limiting the growth of green algae in the tanks
- algae infestation effectively limits and inhibits the growth of higher plants, eventually leading to their death
- algae infestation is facilitated by the increased hardness of water, high concentration of nitric compounds, overcrowded tanks and overfeeding of fish

TREATMENT: 10 ml / 100 l of water for at least 7 days. Fighting algae requires complex treatment, which includes improving plants' living conditions (light, fertilization, choice of suitable plants), controlling the parameters of water and their correction if needed, regular water changes, removing accumulated bottom sludge, periodic cleaning of filters, controlling the number of your stock and rational feeding.

CAUTION! Do not apply to aquaria containing eggs, larvae, and young fry and crustaceans. Do not use simultaneously with other water treatment products.

AVAILABLE PACKING UNITS:

50 ml, 100 ml, 500 ml, 2 l.





PURPLE GROUP

Fish care

TROPICAL BACTOSAN • Eliminates cloudiness in water

- **Tropical Bactosan** is intended for eliminating the cloudiness in water caused for example by poor filtration, overfeeding of fish or lack of biological balance in newly started tanks
- quickly and effectively restores clarity of water, which improves fish's living conditions and aesthetics of the tank
- when used in breeding tanks, it increases the egg survival rate and hatch rate of delicate species of fish
- after the elimination of biological cloudiness in aquarium it is recommended to use Tropical Bacto-Active live bacteria

TREATMENT: 10 ml / 100 l of water. Use until the cloudiness is eliminated. During treatment change 20-30% of the water every day and proportionally fill it up with Tropical Bactosan. While using the agent, limit the amount of food or discontinue feeding. If – despite using this agent – the cloudiness lasts more than 5 days or systematically reoccurs, analyse the overall functioning of the tank.

CAUTION! Do not use simultaneously with other water treatment products.

AVAILABLE PACKING UNITS: 50 ml, 100 ml.



PURPLE GROUP

Fish care

**ICHTIO** • Promotes healthy growth of fish

- **Tropical Ichthio** facilitates safe and healthy development of fish
- particularly recommended for tanks where white spot disease caused by *Ichthyophthirius multifiliis* occurred

TREATMENT: in common tanks – long-term bath (7-14 days) 10 ml / 100 l of water. After 3 days change 20% of water and fill it up with Ichthio – 5 ml / 100 l of water. Repeat the whole procedure twice. After that *Ichthyophthirius multifiliis* should be eliminated. The temperature of the bath: from 27°C to 30°C. When using Ichthio, strongly aerate the water in the tank. Having finished the treatment, remove the remains of the product through regular water changes and filtration with activated carbon Coco Carb. Next use Multimineral and Tropical Bacto-Active.

CAUTION! Do not use simultaneously with other water treatment products.

AVAILABLE PACKING UNITS: 50 ml, 100 ml.

Tropical tip

Having finished the bath with aquarium treatment products, remove the remains of the agent by regular changes of copious amounts of water and placing active carbon Coco Carb in the filter.

CMF • Improves fish health

- **Tropical CMF** has a wide range of applications, helping fish fight dangerous pathogens such as bacteria and fungi
- particularly recommended for tanks where white spot disease caused by *Ichthyophthirius multifiliis* occurred

TREATMENT: in common tanks – long-term bath (7 to 14 days) 10 ml / 100 l of water. After 3 days change 20% of water and fill it up with CMF – 5 ml / 100 l of water. Repeat the whole procedure twice. After that *Ichthyophthirius multifiliis* should be eliminated. The temperature of the bath: from 27°C to 30°C. When using CMF, strongly aerate the water in the tank. Having finished the treatment, remove the remains of the agent through regular water changes and filtration with activated carbon Coco Carb. Next use Multimineral and Tropical Bacto-Active.

CAUTION! Do not use simultaneously with other water treatment products.

AVAILABLE PACKING UNITS: 50 ml, 100 ml.

**HEALTHOSAN** • Maintains a healthy fish tank

- **Tropical Healthosan** has a wide range of applications and effectively protects fish against dangerous pathogens such as bacteria, protozoan and fungi
- accelerates the regeneration of damaged epidermis and tattered fins
- effectively protects eggs and fry of delicate species of fish
- for the time of treatment the light in the aquarium should be turned off, as it accelerates the decomposition of the active substance
- this agent may damage delicate aquatic plants

TREATMENT: in common tank – 10 ml / 100 l of water for 7-14 days (every 3 days change 20% of the water and fill it up with Healthosan – 5 ml / 100 l of water); bath in a separate tank without substratum: long-term (6-14 days) – 10 ml / 50 l of water (fill the agent up every 3 days after changing 20% of the water), short-term (2-12 hours) – 10 ml / 10 l of the water.

CAUTION! Do not use simultaneously with other water treatment products.

AVAILABLE PACKING UNITS: 50 ml.



OTHER WATER TREATMENT PRODUCTS

KETAPANG • Water conditioner for freshwater aquaria

- **Tropical Ketapang** are dried and crumbled sea almond leaves (*Terminalia catappa*), stored in convenient sachets
- releases tannins, which naturally improve the quality of aquarium water and slightly lower the pH level, adjusting the parameters to resemble those of black waters
- improves fish's resistance to diseases
- accelerates the regeneration of epidermis, mucus coating and fins, therefore it is recommended to be used when changing water, transporting fish and introducing new fish to the aquarium since all those situations are likely to cause skin abrasion and cuts

- in breeding tanks it protects the eggs against molding and improves hatching and survival rates

TREATMENT: 1 sachet / 150-200 l of water. Change the sachets after two weeks. Ketapang does not work in hard water. It does not harm useful filtration bacteria.



SANITAL PLUS KETAPANG • Aquarium salt for blackwater fish

- **Sanital Plus Ketapang** is an aquarium salt with Ketapang leaves (*Terminalia catappa*) and oak bark extracts
- improves sanitary conditions in common tanks, accelerates the regeneration of epidermis, mucus coating and fins, hence is particularly recommended for quarantine in sanitary tanks
- tannins and humic acids from Ketapang and oak bark improve the condition of fish weakened by transportation, undergoing acclimatization period, or suffering from skin abrasions and injuries; after water changes and in new tanks with a high risk of toxic nitrite development
- the addition of vitamin B₁ alleviates stress

TREATMENT: general tanks – 10 g of salt (2 level teaspoons) per 50 l of water; sanitary tanks – 20 g of salt (4 level teaspoons) per 50 l of water. If necessary, due to fish's individual tolerance of salt, the dosage may be increased. It is recommended to observe the fish afterwards, and when bothering symptoms occur – partially change the water.

CAUTION! This product does not substitute for agents intended for mineralisation of distilled water and after reversed osmosis. To be used in soft and medium hard water. Gives water slightly amber tint. Does not lower pH level.

AVAILABLE PACKING UNITS: 100 ml, 3 l.



SANITAL WITH ALOE • Multi-purpose aquarium salt with aloe

- **Tropical Sanital** is a specially developed aquarium salt for prophylactic use and bath preparation for fish after transportation and during whole acclimatization period
- active substances facilitate recovery and treat fish's ionic disorders caused by unfavorable environmental factors
- aloe accelerates the regeneration of epidermis and stimulates the immunity system

TREATMENT: prophylactically – with every water change in common tank – 2 level teaspoons per 50 l of water; quarantine period in a tank without substratum, biological cloudiness of water – 4 level teaspoons per 50 l of water.

AVAILABLE PACKING UNITS: 100 ml, 500 ml, 1000 ml, 3 l.



FILTRATION MEDIA

TROPICAL CARBOLIT

- **Tropical Carbolit** is a high quality complex filter medium, which combines activated coconut carbon and zeolite in the ratio 1:1
- activated carbon manufactured from coconut shell is the most efficient of all activated carbons
- effectively removes substances that negatively affect the colour and odour of the water, as well as chlorine and many toxic organic compounds and some heavy metal ions
- the action of the coconut carbon is supplemented by a natural, porous mineral of the zeolite group,

which removes ammonium ions (NH_4^+) from the water, some ions of heavy metals and organochlorine compounds

- the combination of these two exceptional filter media makes it possible to obtain ideal crystal-clear water
- Tropical Carbolit can also be useful in the aquarium following the completion of medical treatment



COCO CARB

- **Tropical Coco Carb** is a high quality activated carbon manufactured from coconut shell
- compared to traditional activated carbon the number of micropores is greater and the effective surface area much larger ($1 \text{ g} \approx 1100 \text{ m}^2$)
- ensures exceptional adsorptive properties, useful for cleansing water of the smallest particles that affect colour and smell

- reduces the concentration of many toxic compounds, including numerous medications, pesticides, organochlorine compounds and fixes the heavy metal ions
- helps to create and maintain optimal water quality in freshwater and marine tanks with delicate and demanding fish

TROPICAL PORO RING

- **Tropical Poro Ring** is a high quality filter medium with effective surface area of $600 \text{ m}^2/1$
- shape of ceramic rings ensures good water-flow and hence an adequate supply of oxygen and nutrients to the biofilter
- the porous structure of Tropical Poro Ring provides an excellent substrate for colonisation of the nitrifying bacteria,

which convert ammonium ions (NH_4^+) and nitrite (NO_2^-) (both dangerous to fish) into relatively harmless nitrate (NO_3^-), which can be removed from the aquarium by regular water changes



AQUARIUM TESTS

TEST 6 IN 1

- **Tropical Test 6 in 1** is intended for measuring the concentration of nitrates, nitrites, general and carbonate hardness, pH level and concentration of total chlorine in fresh water
- safe, non-toxic and simple to use – simply dip the strip in the sample of water to be tested and after a moment read the results for six chemical parameters
- in case of emergency quick information about chemical parameters allows for immediate action to be taken in order to improve fish's living conditions



Tropical tip

Do not change pH level unless you can control it with a proper pH test.

Tropical tip

Monitor the water in the tank regularly. Use aquarium tests especially in new tanks, nano aquaria, overcrowded tanks, after medical treatment with bactericidal agents or when changing chemical parameters of the water.



TEST pH 6.0-7.8

- **Tropical Test pH 6.0-7.8** is intended for measuring the pH level of fresh water within the range 6.0-7.8 pH at intervals of 0.2 pH
- high precision allows for obtaining very accurate results, which is particularly important for breeders of delicate species of fish, whose spawning depends upon exact levels of pH
- Test pH 6.0-7.8 allows for close control of pH while adjusting its level in tanks populated with live organisms



TEST pH 4.5-9.5

- **Tropical Test pH 4.5-9.5** is intended for measuring the pH level of fresh and salt water within the range 4.5-9.5 pH at intervals of 0.5 pH
- wide scale allows for monitoring pH level in biotopes of extreme pH levels recreated in home tanks (usually black waters of South America and alkaline waters of Great African Lakes)



TEST NO₂

- **Tropical Test NO₂** is intended for measuring the concentration of nitrite (NO₂) within the range 0-3.3 mg/l in fresh and salt water
- convenient and extremely easy to use
- the reagents are simply added to the water and after a short time cause discoloration of the sample
- the result is obtained by comparing the colour of the sample with the enclosed colour scale
- in the aquarium, nitrite is produced during the bacterial breakdown of fish wastes, uneaten food, and other organic substances
- because nitrite is highly toxic to fish, its concentration in the aquarium should be as close to zero as possible



TEST NO₃

- **Tropical Test NO₃** is intended for measuring the concentration of nitrate (NO₃) within the range 0-100 mg/l in fresh and salt water
- convenient and extremely easy to use
- the reagents are added to the water and after a short time cause discoloration of the sample
- the nitrate concentration is obtained by comparing the colour of the sample with the enclosed colour scale

TEST GH/KH

- **Tropical Test GH/KH** is a titration water test to measure general hardness (GH) and carbonate hardness (KH) of water in aquaria and ponds
- convenient and extremely easy to use
- the relevant reagent solution is added to the water drop by drop until the colour changes
- one drop of reagent corresponds to one German degree of general hardness (°dGH) or carbonate hardness (°dKH)



Tropical Aqua Care products make filling new tanks and their further maintenance a lot easier. They are the source of trace elements, indispensable for fish's proper condition and nutritional substances which guarantee intensive growth and beautiful appearance of plants. A number of conditioners have been developed to prepare tap water for aquarium use. It is extremely

important, as most aquarists use tap water disinfected with chlorine compounds, which are dangerous to fish. Such water needs extra attention to make it safe for tank population.

Filling new tanks and aquarium maintenance with Tropical products

Product	New tank	Correction of water parameters	Maintenance	Plant fertilization	Fighting algae	Disinfection
Antychlor	●		●			
Esklarin with aloe	●		●			
Blacklarin	●		●			
Crusta Guard	●		●			
Tropical Bacto-Active	●		●			
Aquacid pH Minus		●				
Aqua-Alkal pH Plus		●				
Torfin Complex	●	●	●			
Querex	●	●	●			
Ketapang Extract	●	●	●			
Ketapang	●	●	●			
Multimineral			●	●		
Kobaltosan			●	●		
Aquaflorin Potassium				●		
Aqua Plant				●		
Ferro-Aktiv				●		
Algin					●	
Chloramina						●
Abioseptyna						●
Ichtio			●			
CMF			●			
Healthosan			●			
Tropical Carbo				●		
Tropical Bactosan			●			
Sanital with aloe			●			
Sanital Plus Ketapang			●			

Dosage details to be found on the labels of the products.

Sample uses of Tropical water treatment products when starting various types of tanks

Newly started tank	Antychlor • Esklarin with aloe • Tropical Bacto-Active
Mature common tank	Esklarin with aloe • Tropical Bacto-Active • Aquaflorin Potassium • Ferro-Aktiv • Multimineral • Aqua Plant • Tropical Carbo
Tank with shrimps	Crusta Guard • Tropical Bacto-Active • Aquaflorin Potassium • Ferro-Aktiv • Aqua Plant
Blackwater tank	Blacklarin • Ketapang Extract • Torfin Complex • Querex • Ketapang • Aquacid pH Minus
Malawi and Tanganyikan tank	Esklarin with aloe • Aqua-Alkal pH Plus • Multimineral
Plant tank	Aqua Plant • Multimineral • Aquaflorin Potassium • Ferro-Aktiv • Tropical Carbo • Aquacid pH Minus



	Do not use simultaneously with other agents*	Do not use simultaneously with conditioners and pH adjusters**				
			Antychlor	Esklarlin with aloe	Blacklarin	Crusta Guard
Abioseptyna	●					
Algin	●					
Antychlor				●	●	●
Aquacid pH Minus						
Aquaflorin Potassium		●				
Aqua-Alkal pH Plus	●					
Aqua Plant		●				
Blacklarin			●			
Chloramina	●					
CMF	●					
Crusta Guard			●			
Esklarlin with aloe			●			
Ferro-Aktiv		●				
Healthosan	●					
Ichthio	●					
Ketapang						
Ketapang Extract					●	
Kobaltosan		●				
Multimineral		●				
Querex					●	
Sanital Plus Ketapang			●			
Sanital with aloe			●			
Torfin Complex					●	
Tropical Bactosan	●					
Tropical Bacto-Active		●				
Tropical Carbo		●				

* After 24 hours following the application of these products you can apply products belonging to Blue, Brown and Green group.

** After 24 hours following the application of: Esklarlin with aloe, Blacklarin, Crusta Guard, Aquacid pH Minus, Aqua-Alkal pH Plus other water treatment products can be used.

Can be used together with other agents

Aqua Plant	Aquaflorin Potassium	Ferro-Aktiv	Kobaltosan	Multimineral	Querex	Torfin Complex	Ketapang Extract	Ketapang
					●	●	●	●
●		●	●		●	●	●	
	●	●	●	●	●	●	●	●
					●	●	●	●
●	●		●	●	●	●	●	●
●	●	●	●	●	●	●	●	
●	●	●	●	●	●	●		●
●	●	●		●	●	●	●	●
●		●	●		●	●	●	●
●	●	●	●	●		●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●		●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●

We recommend Tropical foods – manufactured with advanced technology and from carefully selected ingredients of the best quality – which satisfy fish's nutritional needs and help retain proper water parameters.



Read more about Tropical foods in our Aquarist's Guide to Fish Feeding, at www.tropical.pl and in our mobile service.

The address of your shop:



Scan QR code to learn more.

Code also available on packaging.

www.tropical.pl



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