



BettaRevive™

Betta Water Treatment

PURPOSE AND BENEFITS

Aquarium Solutions Betta Revive™ is a concentration of formulated substances known to be key in the conditioning of water and the treatment and prevention of diseases in bettas, *Betta splendens*, kept in small bowls and other small volume containers (usually less than 1 gallon). This formulation was developed in a working aquarium fish hatchery where it was found that bettas kept in treated water in small "betta cups" not only performed better after distribution to retail aquarium shops, but exhibited fewer diseases and torn and disintegrating fins than bettas kept in untreated water.

While bettas kept singly usually do not suffer the diseases usually seen among community aquarium fishes they are nevertheless susceptible to ich, velvet, fin-and-tail rot and other bacterial diseases. **Aquarium Solutions® Betta Revive™** used in the water holding bettas will significantly improve the overall health of these fish.

Aquarium Solutions® Betta Revive™ is specifically formulated for the daily maintenance of bettas for commercial purposes and for occasional (as needed) use for bettas kept in the home. Due to the strong color imparted to the treated water the color of bettas kept in such water may be difficult to see.

GENERAL DIAGNOSIS AND TREATMENT OF "ICH" (ICHTHYOPHTHIRIASIS) DISEASE IN BETTAS

The following is a brief summary of the clinical signs often associated with "ich"; it is intended *only* as an aid for the beginning aquarist, and is not to be considered a definitive diagnostic key. It is important that the aquarist consult appropriate references for more specific information regarding aquarium fish diseases. Where possible, skin scrapes and/or gill smears should be made and examined by a qualified aquarium fish disease diagnostician (NOTE: few veterinarians are either qualified or interested in diagnosing aquarium fish diseases).

The signs of "ich" in fishes is usually evident by the appearance and persistence of numerous, small (but visible) white spots on the fishes' skin, scales, eyes and fins. The disease is often called "white spot disease". These spots are known as cysts. It must be understood that the cysts are usually found on the gills of the diseased fishes. The only outward sign of the involvement of the fishes' gills is labored respiration that is often accompanied by a drastic darkening or lightening of the fishes overall coloration. Fishes with "ich", where the white spots are not yet visible on the body will usually exhibit lethargy and repeated "flashing", or scratching and scraping, against sides or bottom or against objects in the aquarium.

CLINICAL SIGNS AND TREATMENT OF OTHER DISEASES OF BETTAS

The following signs are general and may appear with some or all of the signs indicated above.

DISEASES CAUSED BY FUNGI (SAPROLEGNIASIS): Saprolegniasis is often the easiest fish disease to properly diagnose. In most cases likely to be observed in bettas areas of necrotic (dead) tissue will be covered with whitish, hairy, or "cottony" patches. This fungal disease is almost always a secondary infection caused by stress or injury. Treating the betta's water, as directed, with **Aquarium Solutions® Betta Revive™** will often affect a cure in 24 hours or less.

TRICHODINIASIS: This disease usually involves the gills and skin of the affected fishes. The diseased bettas produce excessive amounts of skin slime which causes a whitish cast to the skin color.

OODINIASIS (VELVET, GOLD DUST DISEASE, RUST DISEASE): This disease is common to bettas. The skin of the diseased fishes appears to have been dusted with a fine powder. This disease is resistant to both salt and formalin treatment. It is treatable with **Aquarium Solutions® Betta Revive™** because of its malachite green content.

BACTERIAL INFECTIONS: There are numerous diseases of bettas caused by bacteria. The typical fin-and-tail rot, mouth "fungus" and lesions on the body as well as abdominal swelling (dropsy) and pop-eye (exophthalmia) are typical signs of bacterial infections in bettas. **Aquarium Solutions® Betta Revive™** contains neomycin which is a recognized antibiotic suitable for treating numerous bacterial diseases.

SPECIFICATIONS

DOSAGE: **Aquarium Solutions® Betta Revive™** is dosed at a rate of 1 drop per pint (16 fl.oz.) of water.

CONTRAINDICATIONS

Aquarium Solutions® Betta Revive™ is not for human or veterinary medical use. It is not for use on food or game fishes. It is not for use in open water ways, rivers, streams, canals, irrigation ditches, lakes, recreational ponds, nor in aquarium or pond systems which empty directly into any such waters.

Do not use **Aquarium Solutions® Betta Revive™** with any other drugs or treatments (this includes salt treatment).

STABILITY

Aquarium Solutions® Betta Revive™ is stable for an indefinite period if kept in its original container and stored away from heat and cold. When not in use store tightly closed, at room temperature (above 60°F and below 100°F), and out of direct sunlight.

CAUTIONARY STATEMENTS

WARNING: Do not get in eyes or on skin. Wash thoroughly with soap and warm water after handling. Keep away from food and feed.

ANTIDOTE: If swallowed call a physician or Poison Control Center. In case of contact immediately flush skin or eyes with plenty of water for at least 15 minutes. For eyes, get medical attention.

CALIFORNIA WARNING: **Aquarium Solutions® Betta Revive™** may contain ingredients known to the State of California to be potential or actual carcinogens (cancer causing) or teratogens (birth defects causing). The container containing **Aquarium Solutions® Betta Revive™** may be a choking hazard for small children and should only be used under adult supervision.

STANDARD TREATMENT PROCEDURES

The standard use-dilution of **Aquarium Solutions® Betta Revive™** is 1 drop per pint (16 fl.oz.) Daily changes of the water in your betta containers is strongly recommended for best results, but must be done no less than every 48 hours. Treating the water before making water changes is recommended. Water may be initially treated with **Aquarium Solutions® Betta ULTIMATE™** 24 hours prior to use of **Aquarium Solutions® Betta Revive™**. Daily feeding of your bettas using Hikari® Betta Bio-Gold® is also recommended to assure your pet is getting the proper mix of nutrition to positively impact their health.

PACKAGING

Aquarium Solutions® Betta Revive™ is packaged in a convenient 0.08 fl.oz. (2.5 mL) dropper bottle (treats ~6.25 gallons). Bottles are blister packed.

CONTACTING US

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