

Common Diseases of Freshwater and Saltwater Fish



Fritz recommends treatments listed first with the check as the most effective

Parasitic Diseases

Ich & Velvet

Common Symptoms

Freshwater Ich - Ichthyophthirius multifiliis Marine Ich - Cryptocaryon irritans

White spots on body, heavy breathing, flashing/scratching, clamped fins, lethargy

NOTE: Spots may not always appear on the

body. Heavy infections may occur in the gills and show no evidence of disease on fins or

Velvet - Oodinium sp.

Gold/yellow dust on body, heavy breathing, flashing/scratching, clamped fins, loss of color, lethargy

Marine Velvet - Amyloodinium sp.

White spots on body (smaller and more numerous than Ich), heavy breathing, flashing/scratching, clamped fins, lethargy







Fritz Preferred Treatments

- Fritz Coppersafe
- Fritz Fixlck
- Fritz MetroCleanse
- Fritz ParaCleanse
- Fritz Parashield

Best Practice:

A quarantine or hospital tank is always recommended for treatment. Follow any ectoparasite treatment with an antibiotic like Maracyn, Maracyn Two, and/or Maracyn Oxy to prevent secondary infection from open wounds.

Flukes

Common Symptoms

Gill Flukes - Dactylogyrus sp. Skin Flukes - Gyrodactylus sp. Rapid breathing, loss of appetite, discoloured gills, and swollen gills, gasping at surface. Fine white or transluscent spots or hairlike filaments on skin and fins.

NOTE: Parasites may not always appear on the body. Heavy infections may occur in the gills and show no evidence of disease on fins or scales.

Fritz Preferred Treatments

- Fritz ParaCleanse
- Fritz PraziCleanse Fritz Bactershield
- Fritz Parashield
- Fritz A+ Aquarium Salt



Rest Practice: A quarantine or hospital tank is always

recommended for treatment. Follow ectoparasite treatment with an antibiotic like Maracyn, Maracyn Two, and/or Maracyn Oxy to prevent secondary infection from open wounds

Common Symptoms

Lice and Anchor Worm

Fish Lice - Argulus sp.

Anchor Worm - Lernaea sp. Visible parasites (green or brown dots) attached to the body or fins; lesions, rubbing, scratching, flashing, redness/ irritation; lethargy, missing scales, fin erosion, excess mucous

Manually remove these parasites before

Fritz Preferred Treatments Fritz Coppersafe

Fritz ParaCleanse Fritz PraziCleanse



Best Practice: A guarantine or hospital tank is always

recommended for treatment. Follow any ectoparasite treatment with an antibiotic like Maracyn, Maracyn Two, and/or Maracyn Oxy to prevent secondary infection from open wounds.

Costia, Chilodinella, Trichodina

Common Symptoms

Costia - Ichthyobodo necator

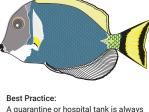
Rubbing, scratching, flashing, gasping, lethargy. A blue-grey film on the skin or gills may appear in severe or advanced infections Chilodinella sp / Trichodina sp. Rubbing, scratching, flashing, gasping,

slime coat/mucous production from irritation. **Fritz Preferred Treatments**

Fritz Coppersafe

- Fritz Fixlck
- Fritz A+ Aquarium Salt · Fritz Parashield





recommended for treatment. Follow any

ectoparasite treatment with an antibiotic

like Maracyn, Maracyn Two, and/or Maracyn Oxy to prevent secondary infection from open wounds

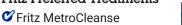
Common Symptoms

Hole-In-The-Head, HLLE

Hole-In-The-Head - Hexamita sp. (FW)

HLLE - Hexamita sp. (SW) Fish will lose coloration, stop eating, display a sunken belly, white stringy feces, and increasing lethargy as infection progresses. In advanced cases, bloat can occur and chronic nutrient deficiency can causes

erosion and pitting in the head and along Fritz Preferred Treatments



Epsom Salt

Uronema



Fritz ParaCleanse

Treat with medicated diet ASAP for best results



Epistylis

Common Symptoms Epistylis - Epistylis sp.

Branching, clustered white spots that extend away

from the fishes body/scales into the water colun Despite its similarities to Ich infections, Epistylis feeds off of bacteria rather than fish tiss

Fritz Preferred Treatments

Fritz Maracyn Fritz Maracyn Two

Best Practice: A quarantine or hospital tank is always recommended for treatment. All antibiotic treatments can affect desirable bacteria and biofilters.

• Fritz A+ Aquarium Salt

Common Symptoms Uronema - Uronema marinum

Large red lesions or ulcers. Common on chromis and damsels, but can affect any fish species. Treatment should

be targeted towards fish that have not developed symptoms. There is no fallow period for a Uronema infection. Fritz Preferred Treatments

Fritz Coppersafe Fritz Fixlck

Best Practice: A quarantine or hospital tank is always recommended for treatment.

· Fritz MetroCleanse

Dropsy, Bloat, Swim Bladder Disease

Bacterial Diseases

Common Symptoms

Popeye, Cloudy Eye

Easily identified as one or both eyes will swell and bulge out away from the body.

Affected eyes may also become cloudy. Severe cases can cause rupture of

the eye. Secondary symptoms include hiding and lethargy, decreased appetite, body swelling, and clamped fins. **Fritz Preferred Treatments** Fritz Maracyn

Fritz Maracyn Two Fritz Maracyn Oxy · Fritz Bactershield

 Fritz Parashield • Fritz A+ Aquarium Salt

Fin Rot



Dropsy, also known as Bloat, refers more to a collection of symptoms, rather than a specific infection. This is due to a weakened

Common Symptoms

immune system from stress and/or poor Initial symptoms include loss of color/pale gills, feces pale and stringy, fins clamped against the body, ulcers, and loss of appetite. In advanced cases, fluid retention causes swelling, resulting in bulging eyes and the

Dropsy - Various gram-negative bacteria

scales to stand out and "pinecone." This stage of disease is hard to treat and often leads to fish loss. Swim bladder disease Most easily identified as an inability to regulate buoyancy. Fish will have difficulty swimming upright, and may sink or float

to the surface. Other symptoms include a change or loss of appetite, distended

or curved spine.

abdomen, and in severe cases, a distorted



Fritz ParaCleanse

 Epsom Salt · Fritz ParaCleanse

· Fritz PraziCleanse

Best Practice:

A quarantine or hospital tank is always recommended for treatment. All antibiotic treatments can affect desirable bacteria

Fritz Preferred Treatments

and biofilters

Characterized by fraying and erosion at the edges of fins and tail. May also show

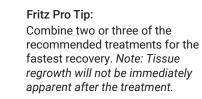
fin rays or fin bases. Fish will also show lethargy and loss of appetite in advanced

Common Symptoms

Fin rot can have multiple root causes, bacterial, fungal, or injury. The bacteria species likeliest to cause fin rot are Aeromonas, Pseudomonas, or Vibrio bacteria. **Best Practice:**

Columnaris, Body Fungus

discoloration of fin tissue, red streaks along



Poor water quality is usually a significant factor to developing fin rot. Address this as soon as possible to prevent reinfection. A quarantine or hospital tank is always recommended for treatment. All antibiotic treatments can affect desirable bacteria and biofilters. Septicemia, Lesions, and Ulcers

Fritz Maracyn Two Fritz Maracyn Oxy

Fritz Bactershield

Fritz A+ Aquarium Salt

Fritz Parashield

Fritz Maracyn

Common Symptoms

breathing, and lethargy. Also known as Body Fungus, Saddleback Disease or Cotton Wool Disease

Columnaris - Flavobacterium columnare

Cotton-like growth in flat patches

ranging in color from greyish-white to

vellow or orange on the back, sides fins or mouth. Advanced stages may cause loss of scales, lesions, and long

filamentous growths on fins; rapid



Fritz Preferred Treatments

Fritz Maracyn

Lesions and ulcers appear as open wounds anywhere on the body.

Common Symptoms

Bacterial Septicemia - Aeromonas sp.

May show bloody streaks or red patches

underneath the skin and scales, along

the base of fins or around the vent.

Note: Viral hemorrhagic septicemia common in pond fish, will not be affected

by antibiotics and has no treatment or

Fritz Preferred Treatments

· Fritz Bactershield

Fritz Maracyn Two

Fritz Maracyn Oxy

Fritz Maracyn

Best Practice: A guarantine or hospital tank is always recommended for treatment. All antibiotic treatments can affect desirable bacteria and biofilters.

• Fritz A+ Aquarium Salt

antibiotic treatments can affect desirable bacteria and biofilters.

Common Symptoms Saprolegnia - Saprolegnia parasitica

Fungus can be distinguised from bacteria by its fuller, stringier appearance. NOTE: Fungal infections are usually

- **Fritz Preferred Treatments**
- Fritz Expel-F Fritz Maracyn Oxy

Fritz Parashield



True Fungal Diseases

Also known as "Cotton Wool Disease." Fuzzy white or gray patches that resemble cottony growths found on the gills or skin.

Saprolegnia, Egg Fungus

secondary infections following another disease or injury that leaves exposed wounds or open tissue.

· Fritz Bactershield

• Fritz A+ Aquarium Salt



A quarantine or hospital tank is always recommended for treatment. Follow

any treatment for open wounds with an antibiotic like Maracyn, and/or Maracyn

Two to prevent secondary infection.

Best Practice:

Fritz recommends treatments

DISCLAIMER: THIS CHART DOES NOT PROVIDE

this chart are for informational purposes only. No material on this chart is intended to be a substitute for

listed first with the check as

the most effective

The information, including but not limited to, text, graphics, images and other material contained on professional veterinary advice, diagnosis or treatment. Always seek the advice of your veterinarian or other qualified veterinary care provider with any questions you may have regarding a condition or treatment and before undertaking a new care regimen, and never disregard professional medical advice or delay in seeking it because of something you have read on this

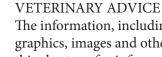


chart.