

# FAQ: DISEASES AND OTHER PLAGUES

[Editor's Note: Volumes are in US gallons; Temperature is in °F]

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| + Some Common Diseases: bad water quality, ich, fin rot, injuries, dropsy, hole-in-head disease, swim bladder disorders, parasites, and velvet. |            |

Saltwater Diseases

## SALTWATER DISEASES

(contributed by Thomas Sasala)

Scientific vs. Common Disease Names

| Scientific Name         | Common Names  |
|-------------------------|---|
| Amyloodinium ocellatum  | Amyloodinium, Oodinium, Marine Velvet, Saltwater Ich  |
| Cryptocaryon irritans   | Cryptocaryon, White spot disease, Saltwater Ich       |
| Brooklynella Hostillis  | Brooklynella, Clownfish disease Angelfish disease     |
| Mycobacteria marinum    | Fish TB   |
| Tubellarian worms       | Black Ich, Tang Disease                               |
| Benedenia melleni       | Fish Flukes   |
| Argulus sp.             | Fish lice   |
| Ichthyosporidium hoferi | Fungus Disease ?? Head and lateral line erosion (HLE) |
| Lymphocystis virus      | Viral disease, Cauliflower disease                    |
| Pseudomonas sp.         | Fin Rot, Red Spot Disease, Ulcers (Bacterial Disease) |
| Vibrio anguillarum      | Vibrio, "Wipe Out"                                    |

| Disease Name        | Suggested Treatment  |
|---------------------|--|
| 1(4) Black Ich      | Freshwater dip coupled with formalin bath                    |
| 2(4) Brooklynella*  | Copper coupled with formalin bath                            |
| 3 Fin Rot           | Erythromycin, Neomycin                                       |
| 4 Fish Lice         | Freshwater dip or Formalin bath                              |
| 4 Flukes            | Freshwater dip or Formalin bath                              |
| 5 HLE               | ? - Better environment                                       |
| 6 Intern. Parasites | Medicated Food   |
| 7 Cryptocaryon*     | Formalin bath (1/2 -1 hour) once every other day for a week. |
| 8 Ichthyosporidium  | None - better environment                                    |
| 9 Lymphocystis      | (None - it should go away)                                   |
| 10 Amyloodinium*    | Freshwater dip coupled with copper                           |
| 11 Microsporidian   | None - euthanasia  |
| 12 Poisoning        | Massive water changes/move to an untainted environment       |
| 13 Poor Diet        | Vary Diet; meet the requirements of the animal               |
| 14 TB               | Kanamycin, Isoniazid   |
| 15 Vibrio           | Erythromycin, Neomycin                                       |

\*NOTE: Both tank and fish must be treated to erradicate the pest.

### SYMPTOMS VERSES LIKELY DISEASE

|                   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|-------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| Black Spots       | x |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| Change in color   |   |   |   |   |   | p | x |   |   | x  | p  | x  |    |    |    |
| Cloudy Eyes       |   |   |   | x |   | p |   | p | x |    |    |    |    |    |    |
| Distended Stomach |   |   |   |   |   | p |   |   |   |    |    |    |    | p  |    |
| Erratic Swimming  |   |   |   |   |   | p |   |   |   | x  | x  | p  |    |    |    |
| Emaciation        |   |   |   |   |   | p |   |   |   | x  | x  | p  |    |    |    |
| Fin Erosion       |   |   | x |   |   |   |   |   |   |    |    |    | p  | p  |    |
| Gasping           |   |   |   | x |   | p |   | p | x |    |    |    |    |    |    |
| old/Brown Spots   |   |   |   |   |   |   |   |   |   | x  |    |    |    |    |    |
| Lack of appetite  |   |   |   |   |   |   |   | p |   | x  | p  | x  | x  |    |    |
| Listless          |   |   |   | p |   | p | x | p | p | x  | x  | x  |    |    |    |
| "Pop Eyes"        |   |   |   |   |   |   |   |   |   |    |    |    |    | p  | p  |
| Reddened Areas    |   |   | x |   |   |   |   |   |   |    |    |    | x  | x  |    |
| Rough Skin        |   |   |   |   |   |   | x | x | x |    |    |    |    |    |    |
| Rubbing           | x |   | x |   | x |   | x | p |   |    |    |    |    |    |    |
| Ulcers/holes      |   |   |   |   | x |   |   |   |   |    |    |    | p  | p  |    |
| Wormlike attach's |   |   |   | x |   |   |   |   |   |    |    |    |    |    |    |
| Warty growths     |   |   |   |   |   |   |   |   | x |    |    |    |    |    |    |
| White Patches     |   | x | x |   |   |   |   |   | x |    |    |    |    |    |    |
| White Spots (1mm) |   |   |   |   |   |   | x |   | p |    |    |    |    |    |    |

X = Positive Sign; P = Possible Sign