



FOR TRADE USE ONLY

MEDICATION OF SEAWATER FISHES

A. GENERAL NOTES

PLEASE REMEMBER:-

- 1) **INVERTEBRATES** - never ever need any medication whatsoever if they are properly packed, properly shipped and properly unpacked into sound, low-nitrate, zero-nitrite seawater. Never put inverts. into tanks which were ever "**CUPRAZIN-ED**".
- 2) **SHARKS/RAYS** - exactly the same comments as in 1 } above apply - these primitive fishes are almost always disease-free.
- 3) **NEVER** use **CUPRAZIN** on **HARLEQUIN TUSK FISH** - **SEE BELOW**. The Harlequin Tusk Fish hardly ever needs medication but if necessary use only **OCTOZIN** or **MYXAZIN**.
- 4) **FEEDING:-** only feed every alternate day and no more food than will cover a one penny piece one flake deep per tank. **NEVER** use any live foods other than earthworms {- whole or chopped} or white worms. **NEVER** use any **FROZEN FOOD** which hasn't been **GAMMA - RAY - IRRADIATED**. Non irradiated frozen foods are heavily - laden with myriads of pathogens and parasites.

B. SPECIFIC CONSIDERATIONS

- i) **WITHIN ONE HOUR OF UNPACKING** all the fishes must be treated with **CUPRAZIN** {see exceptions above!} at 1ml / 10 litres - 100 ml bottle size, or 1ml / 30 litres - 500 ml bottle. Normally this is the only medication ever necessary with fish from a good supplier/airline. The only variations are:
 - a) If necessary use **MYXAZIN** 100 ml bottle at 1ml / 10 litres on day 6, 7, and 8 {for fin-rot, wounds, ulcers etc.) or:
 - b) If necessary use **STERAZIN** for ecto- and endoparasites.
- ii) All clownfish should be treated with **OCTOZIN** only on days 1,2 and 3. Apart from **OCTOZIN**, well-shipped and well-unpacked Clownfishes rarely need any other treatment. This treatment **MUST** also be **AUTOMATIC**. Failure to carry out this treatment will result in huge mortalities. **OCTOZIN** is harmless to Invertebrates at the correct dosage, but it is better to treat them in fish only, **CUPRAZIN**-free tanks for the first 7 days after importation and then transfer them into **ANEMONE TANKS**.
- iii) **NEVER** be panic-stricken about letting the fishes/ invertebrates float for at least an hour before starting the water acclimation procedure. Waterlife has occasionally received shipments over 36 hours late. On laboratory analysis the bags still contain 98% pure oxygen - the killers of delayed shipments of fish are ammonia/nitrite and low temperature.
- iv) **PLEASE REMEMBER: NEVER, NEVER FEED YOUR FISHES ON LIVE FOODS**, except earthworms and/or whiteworms and brine-shrimp but only if they were hatched from shell-less eggs and grown on under disease - and parasite-free conditions.
- v) **USING NON - GAMMA-RAY IRRADIATED FROZEN FOODS CAN BE LETHAL!**

UNPACKING MARINES

1) **THE ROOM MUST BE AS DARK AS IS PRACTICABLE.**

i.e. A small bulb {100 watts say} **RHEOSTATICALLY CONTROLLED** (i.e. a light dimmer) in the centre of the ceiling.

2) **NOW GENTLY OPEN BOXES TO THE DIMMED LIGHTS.**

N.B. BOTH 1) and 2) above, are necessary to prevent PHOTOSHOCK to the fishes which have been in pitch darkness for up to 48 hours.

3) **REMOVE THE FISHES/INVERTEBRATES TO THE TANKS DESIGNATED FOR THEM. DO NOT RELEASE THE OXYGEN FOR AT LEAST ONE HOUR! DURING THIS HOUR, SLOWLY TURN UP THE RHEOSTAT TO FULL 100 WATTS.**

4) After **ONE FULL HOUR** of floating with the oxygen they were originally packed in, it is now time to begin to open the bags and slowly add **SMALL** quantities of your seawater to the bags **ON A CONTINUALLY ROTATING BASIS** until all the fish are fully "compis mentis", i.e. "bright-eyed", eyes moving normally and actively, respiratory rate has fallen back to the normal 60-80 gill beats/minute {i.e. measured for one operculum only} and the fish is swimming normally. Now release into the tank, and carry out first medication.

5) **PLEASE! MEDICATE IMMEDIATELY!** it is vitally important to get into the habit of **AUTOMATICALLY MEDICATING THE FISHES ON THE INSTANT THEY ARE RELEASED INTO THE AQUARIUM. NO MATTER HOW TIRED YOU ARE, PLEASE DON'T LEAVE THIS ALL IMPORTANT FIRST MEDICATION UNTIL THE NEXT DAY.**

ALWAYS REMEMBER A GRAM OF PREVENTION IS WORTH A TONNE OF CURE"

STOCKING MARINES

1) **NEVER KEEP 2 CORAL FISHES OF THE SAME SPECIES IN THE SAME TANK, APART FROM THE FOLLOWING EXCEPTIONS:**

- | | |
|------------------------|--|
| i) damsels | xi) pipefish |
| ii) clownfish | xii) anthias genus |
| iii) small regal tangs | xiii) mirolabrichthys genus |
| iv) coral catfish | xiv) most wrasse spp. |
| v) scooters; | xv) SM/MDM moorish idols |
| vi) most triggers | xvi) apogons |
| vii) tilefish | xvii) gaterins |
| viii) firefish | xviii) several butterfly spp e.g. heniochus, pakistan etc. |
| ix) batfish | xix) lutjanus spp. |
| X) seahorses | |

6. GENERAL TIPS

- i) **NEVER FEED LIVEFOODS {OTHER THAN EARTHWORMS OR WHITEWORMS},** that are not guaranteed disease free by the supplier, **SIMPLY BECAUSE THE DISEASE/PARASITES RISKS ARE TOO GREAT.**
- ii) **CARRY OUT REGULAR PARTIAL WATER CHANGES.** These can be as great as 50% if using **ULTRAMARINE** - The ultimate sea salts.
- iii) Use **8.3 BUFFER/SEATRACE/SEAGREEN/VITAZIN** regularly in order to keep your seawater in excellent life-supporting condition.