

Pondfish keeping as a hobby may go as far back in history as the Tang dynasty of China (AD 618-907). Goldfish arrived in Europe around 1691, at the same time as hops!

Care of pondfish involves the same principles involved in the keeping of other pets. Providing fish with a clean, hygienic home and not damaging this by the addition of chemicals, and providing a good balanced diet and avoiding things which might cause stress should be the aims of every fishkeeper.

Vetark are committed to providing quality products for fish and fish keepers. Our expertise is second to none in the field, our Veterinary Director Peter Scott FRCVS is a veterinary fish specialist, working with public aquaria and a large proportion of UK fish farms (trout, carp and koi) for over 30 years.

Proper food!

There are now good pelleted diets on the market but, because carp (including koi) feed relatively slowly much of the vitamin content may leach out. The fish then may become ill due to infections occurring because they are suffering from chronic vitamin deficiencies.

ACE-High is formulated to top dress onto food or to incorporate into 'koi-cake'. It contains high levels of vitamins A, C and E all of which are involved in helping the body resist infection. Vitamin A is essential for the maintenance of healthy mucous membranes such as in the mouth, gills and gut. Vitamin E has been shown to boost the immune mechanism in some species. Body stores of vitamin C are used up very quickly under stressful conditions and so must

be replaced. There is no evidence that fish can absorb vitamins from the water, they need them via the food. **ACE-High** can be used at any time but particularly when fish are under stress, such as in spring and autumn, or when being treated for disease.



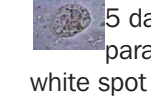
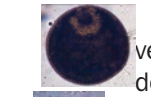
TREATMENT & PREVENTION OF DISEASE

Vetark have now built in-house GMP facilities which means that we can manufacture veterinary medicines under the Small Animal Exemption Scheme (SAES). These are marked with the logo shown here.



Vetark Chloramine T is a very useful medicine, this veterinary medicinal grade is effective against a wide range of water borne parasites and bacteria. It can be used in water at low temperatures when the fishes immune system becomes very sluggish, or if there are high levels of bacteria or parasites which may overwhelm the fish.

Routine use of a course of **Chloramine-T** to keep parasitic protozoa and bacteria at bay until fish can handle them is well worthwhile.



Protoban is a long established mixture of formalin and malachite green formulated to veterinary standards and designed to be used as a 5 day treatment against parasitic protozoa such as white spot 'Ich', *Trichodina*, *Chilodonella* and *Costia*.



Vetark has worked with Fiona Macdonald MRCVS another fishvet, who has used her expertise from the pharmaceutical industry to develop her patented products.



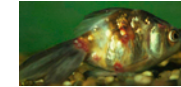
Vetark manufactures these in its GMP facility.

These are:

FLUKE-SOLVE - a soluble praziquantel - extremely safe and amazingly effective against gill and skin flukes and intestinal tapeworms such as *Bothriocephalus* in a range of sizes for fish from discus to koi carp to sharks.

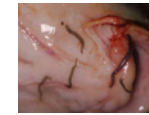


LICE-SOLVE - soluble emamectin, used against fish lice and anchor worms.



SNAIL-SOLVE

- soluble niclosamide, to kill snails!



Ulcer treatment

Ulcers are caused by a range of bacteria, many of which are very resistant to treatment which is likely to require suitable antibiotics from your veterinary surgeon.



ACE-High (to help support the fishes' immune system), and **Tamodine** antiseptic povidone iodine (to dress the ulcer prior to packing it with a suitable cream/paste).



Salt is very useful in the fishes holding tank to provide osmotic support, and minimise water entry into the ulcer.

TAMODINE IS ALSO USED BY ANGLERS TO DRESS FISH WITH ULCERS OR INJURIES.

POND HYGIENE

Routine cleansing of pond equipment with **ARK-Klens**, a powerful disinfectant with an excellent cleaning detergent action, it also has very good deodorising powers. At the recommended concentration, **ARK-Klens** is non-corrosive, it is bactericidal against a wide range of gram negative and gram positive bacteria, some viruses and some fungi are also susceptible.

ARK-Klens is therefore ideal for routine disinfection of anything used in or around the pond eg.nets (rinsed before use). General disinfection is carried out using 10ml/5 litres (1 gallon), so a 250ml bottle makes 125 litres (25 gallons). **ARK-Klens** is also available as a ready-to-use refillable spray.

Specific disinfection against viruses such as Spring Viraemia of Carp and Koi Herpes Virus

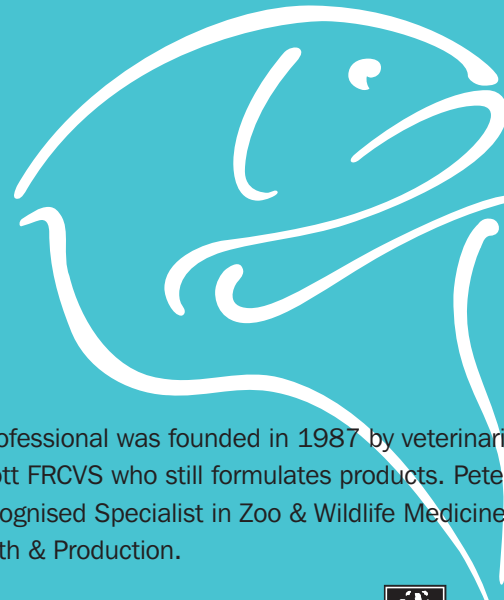
TAMODINE-E is an iodophore disinfectant which is effective against viruses, including that which cause SVC and KHV.

TAMODINE-E can be used to wash nets - but they must be rinsed before use. **TAMODINE-E** is also used as a footdip to prevent diseases transmission between ponds. It is used by fishermen moving from site to site. It is not for use in the pond water and is toxic to fish so must be well rinsed off.

As an alternative Vetark can also supply Virkon Aquatic.



Health products for pet fish



Vetark Professional was founded in 1987 by veterinarian Peter Scott FRCVS who still formulates products. Peter is an RCVS recognised Specialist in Zoo & Wildlife Medicine and in Fish Health & Production.

Vetark is pleased to support:

Hampshire & Isle of Wight Wildlife Trust
www.hwt.org.uk



Hampshire &
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Hampshire Bat Group

www.hants.gov.uk/bats/



British Veterinary Zoological Society



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