

Presentation

Vetroxyl is a clear odourless liquid containing 5% hydrogen peroxide in a glycerol base.

Efficacy against *Flavobacterium psychrophilum*

Studies carried out at the Cefas laboratories in Weymouth have shown the benefit of using Vetroxyl to disinfect eyed rainbow trout eggs artificially contaminated with *Flavobacterium psychrophilum*.

A laboratory study was undertaken using 100 eyed rainbow trout eggs per test. The eggs were artificially coated with bacteria by immersion in a solution containing over 100 million bacteria/ml for one hour. 100 eggs were then dipped in 100ml hydrogen peroxide at concentrations between 100 to 400 ppm for 10 to 20 minutes. These treatments resulted in consistent marked reduction of bacteria to 12/100 egg test. When compared with iodophors, hydrogen peroxide is far superior. To achieve a similar reduction in cell count requires concentrations of iodophor that would kill almost all the eggs.

Administration

To disinfect eyed rainbow trout eggs contaminated with *Flavobacterium psychrophilum*:

Use 200 ml Vetroxyl per 100 litres of water (equivalent to 100 ppm)

Expose eggs to the solution for at least 10 minutes.

Agitation of the eggs will enhance the result.

Checks can be made on the solution for the level of hydrogen peroxide after each treatment using hydrogen peroxide test strips.

Handling Precautions

Wear protective clothing, including waterproof gloves, when handling this product. Wash off any spills on skin immediately with copious quantities of water.

Further Information

Store - in a cool place in the original container. Protect from light.

For use of this product a licence to discharge from the relevant Water Authority will be required.

It is important to note that this procedure will only help if it is accompanied by rigorous site disinfection.

N.B. No liability can be accepted for fish loss associated with the use of this product. This information is presented for general husbandry information only and does not constitute a claim of safety in use, or efficacy.

