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## Quantum.Silver<sup>®</sup> for Fish

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Quantum.Silver<sup>®</sup> is a complex of silver nanoparticles quantum dotted onto an inert carrier molecule. This unique complex is manufactured in Germany, and is used in the production of Quantum.Silver<sup>®</sup> products, noted below. The complex is unique and differentiated from older technology, namely colloidal silver and pure silver nanoparticles, as this is non-cytotoxic to healthy mammalian cells. This means that it is not poisonous or destructive, but still retains all the antimicrobial mechanisms of silver nanoparticles, in which there are countless scientific articles published on this matter.

Examples of antimicrobial action in **Fish** and examples:

- **Anti-bacterial** Columnaris disease, Vibriosis, Streptococcosis
- **Anti-viral** Koi herpesvirus disease, Infectious pancreatic necrosis, Viral hemorrhagic septicemia
- **Anti-fungal** Saprolegniasis (cotton wool disease), Branchiomycosis (gill rot), Achlya infection
- **Anti-parasitic** Ich (white spot disease), Argulosis, Marine ich
- **Anti-inflammatory**

### Application/Dosage

#### QS Liquid Solution

Individual Treatment e.g. Koi : Make a 10% solution, i.e. mix 100 mL QS Liquid Solution with 900 mL water. Use as a water bath for 10 minutes twice daily for 3–5 days.

Fish Tank: Add 50 mL QS Liquid Solution per Liter water in tank. Leave medicated water for at least 5 days.

#### Topical

**QS Gel:** Apply on wound or infection multiple times a day after cleaning the wound.

**QS Wound Spray:** Apply on wound or infection multiple times a day after cleaning the wound.

For faster results, apply alongside oral treatments, either with QS Premix or QS Liquid Solution.



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**Vaccinations**

Withdraw Quantum.Silver<sup>®</sup> treatment 2 days before and after live viral vaccinations.

**Contra Indication**

There are no known contra indications. Quantum.Silver<sup>®</sup> may potentiate and improve the effect of antibiotics. Quantum.Silver<sup>®</sup> may be used together with any other medication.

**Side Effects**

Quantum.Silver<sup>®</sup> is extremely safe and to date there are no known side effects.

**Stockists**

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| 1. Lionel's Veterinary Supplies                   | <a href="http://www.lionelsvet.co.za">www.lionelsvet.co.za</a>       |
| 2. Your Companion (Pty) Ltd                       | <a href="http://www.yourcompanion.co.za">www.yourcompanion.co.za</a> |
| 3. Quantum.Silver <sup>®</sup>                    | <a href="http://www.quantumsilver.co.za">www.quantumsilver.co.za</a> |
| 4. Takealot                                       | <a href="http://www.takealot.com">www.takealot.com</a>               |
| 5. Available at selected Co-op stores nationwide. |  |