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

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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 **Horses** and examples:

- **Anti-bacterial**      *Streptococcus equi* subsp. *equi*, a bacterium that causes Strangles.
- **Anti-viral**              African Horse Sickness Virus, a virus that causes African Horse Sickness.
- **Anti-fungal**              *Trichophyton equinum*, a fungus that causes ringworm (dermatophytosis).
- **Anti-parasitic**          Cyathostomins (small strongyles/redworms), the most prevalent internal parasites in grazing horses.
- **Anti-inflammatory**

### Application/Dosage

#### QS Premix

Preventative/Chronic Infection:      1 g per 100 kg body weight once a day.  
Treatment / Acute Infection:          2 g per 100 kg body weight once a day for 14 days, then resume the preventative/chronic infection dose for another 14 days, then reassess.

#### QS Liquid Solution

Preventative/Chronic Infection:      1 mL per kg body weight once a day.  
Treatment / Acute Infection:          1 mL per kg body weight twice a day for 3 days, then resume the preventative/chronic infection dose of either the QS Liquid Solution or QS Premix for 2-14 days.

#### Topical

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

**QS Eye/Ear Drops:** Apply in eyes/ears multiple times a day.

**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.lionelvet.co.za">www.lionelvet.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. |  |