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Silvercillin™ is a highly effective antimicrobial composed of pure silver complexed with purified water. Silvercillin™ utilizes a technological breakthrough allowing for the production of a silver particle small enough to enter a single red blood cell, enabling the silver to travel through capillaries, the tiniest blood vessels in the body, and inactivate viruses at the cellular level. Also, Silvercillin™ uses technology that permanently distributes the mineral into the structure of the water, so it will not fall out of solution or suspension.

As a result, the pure silver in Silvercillin™ has been shown to provide a whole host of health benefits, from killing drug-resistant bacterial strains to inhibiting viral replication as well as stimulating stem cell production. It can be safely used both orally and topically with no known side effects.

Silvercillin™ – The superior silver; distinct from traditional colloidal (ionic) silvers

Silvercillin™ is completely distinct from traditional colloidal (ionic) silvers of the past, with many important chemical, physical and vibrational differences separating it far beyond other forms available. In fact, while no other liquid silver antimicrobial product had received a patent for over 80 years, a US patent was issued in 2006 for this silver composition.

Colloidal silver works by chemical action, requiring direct contact with microbes, where each colloidal silver molecule can only kill one bacteria. Also, colloidal silver is simply a suspension of a silver molecule and an oxygen molecule combined together. Particles in a suspension, while too small to be seen, are large enough to settle to the bottom over time. Here, the silver components can fall out of solution, causing them to aggregate in such areas as the blood, fat, and the brain. Not surprisingly, silver suspensions contain up to 300,000 ppm of silver compared to Silvercillin™ which is effective at a much lower dosage of only 5–30 ppm. Argyria (blue man syndrome, where silver aggregates in the body) has only been seen in cases of colloidal silver use after extended high dosing.

Three main mechanisms of action for Silvercillin™

1. Catalytic Action – far more effective than chemical action (how colloidal silver works)

Silvercillin™ does much more than chemical action because it works by what is known as catalytic action. Silvercillin™ is made up of four atoms of oxygen and four atoms of silver (Ag_4O_4). Here, one silver atom is missing three electrons while another is only missing one. The molecule tries to balance itself out, so a single, high-energy particle goes back and forth at high speed between the two atoms, which consequently gives it catalytic capabilities. Hence, one electron destroys the bacteria (or other pathogen), while the other electron is being recharged. Thus, this catalytic action allows the Silvercillin™ molecule to destroy over and over, again and again. The result is that Silvercillin™ can eradicate thousands of times more pathogens than a colloidal or ionic silver, allowing it to be much more effective at much lower, safer concentrations.

2. Resonance

This high energy that is constantly occurring creates a resonant frequency, where the silver is resonating at a frequency that is selectively destructive to pathogens. This energy has been measured at 890-910 terahertz, which is the same frequency at which germicidal ultraviolet light resonates. Again, the silver particles in Silvercillin™ are tiny enough to be absorbed by red blood cells and they resonate at the perfect frequency to destroy pathogens.

3. Viral Disruption

Silvercillin™ can bind with the charged, genetically incomplete viral molecules, preventing viral replication. And because healthy human DNA does not contain a magnetic charge, it remains unaffected by the charge of the Silvercillin™.

Benefits of Silvercillin™

- Broad-spectrum antimicrobial
- Anti-inflammatory (as inflammation is often caused by bacteria, virus, or mold)
- Non-toxic, even if used multiple times per day for weeks
- No known side effects or contraindications; safe for all individuals
- Does not encourage resistant microbial strains
- Immune system support
- Does not interfere with antibiotics
- Can be used internally (liquid & spray) and topically (gel)

Safety

After using Silvercillin™, 99% of the silver leaves the body in 24 hours; all is cleared by 48 hours. This occurs because the silver in Silvercillin™ has been structured into the water, allowing the water molecule to get absorbed into the blood stream and pass through circulation. It ultimately gets excreted unchanged, which means no harmful metabolites are formed.

A study on humans with the AIDS virus demonstrates Silvercillin's safety and beneficial properties in those who are immune-compromised. The subjects were given silver using the same technology as in Silvercillin™ at six times the recommended dose for four months. Results showed a normalization of T-lymphocyte counts as well as restoration of normal or close-to-normal body weights.

Does not harm good bacteria

Silvercillin™ is water-soluble, rendering it unable to penetrate fats. Because of this, it cannot harm good bacteria, such as lactobacillus, which include a milk-like fat surrounding the bacteria. This difference sets them apart from most other bacteria molecules. Healthy cells in the body also contain a protective lipid membrane (unlike the thin cell walls of pathogens) with a balanced charge, making them well protected from the silver's oxide.

Safe with Antibiotics

Silvercillin™ is not only safe to take with antibiotics, but can actually work synergistically to increase the effectiveness of specific antibiotics. With its different mechanism of action than that of antibiotics, Silvercillin™ will help to "mop up" the resistant pathogens that the antibiotic may have left behind. A 2006 study published in *Current Science* looked at 19 common antibiotics in combination with a silver solution against seven different microbial organisms. The results of this study showed the increased efficacy of some antibiotics up to 10-fold, as the antibiotic-silver combination allowed for a more complete clearing of the pathological organism.

Anti-Bacterial

The active ingredient in Silvercillin™ has been shown to inhibit and/or kill an extensive array of harmful bacteria including MRSA (methicillin resistant Staphylococcus aureus), which can be deadly. A Brigham Young University report found this silver to be effective at killing every pathogenic bacterium it was tested against at less than 10 ppm. Among this list were salmonella and E. coli (food poisoning), Klebsiella pneumonia and oxytoca (pneumonia), Haemophilus influenza (ear infections, meningitis), Enterobacter aerogenes (UTIs), and Streptococcus mutans and gordonii (tooth decay).

Anti-Viral (via magnetic disruption)

Silvercillin™ technology has the ability to inactivate viruses at the DNA/RNA level. Incomplete segments of DNA/RNA are found in viruses and carry a slight magnetic charge. The silver in Silvercillin™ acts like a magnet, attracting these charged particles and binding the DNA so tightly that it inactivates the virus and prevents virus replication. This same mechanism of action does not take place with healthy cells, as their thicker, more protected cell membranes carry a balanced charge, which protects them from the silver's magnetic attraction.

Anti-Yeast, Mold, Fungi

Fungal infections are often refractory which can make them drug-resistant and difficult to treat. Numerous studies show that Silvercillin's lethal properties are also evident in regards to mold, fungi, and yeast, making it an excellent choice for use against Candida albicans. A double blind study revealed that silver was effective at inhibiting the growth of and killing Candida albicans at a dose of 10 ppm after only two hours of exposure. Also consider using Silvercillin™ in the oral cavity to help prevent fungal infections (Candida/thrush) and oral plaque build-up.

Recommended Use:

- **Liquid:** For adults, take 1-2 teaspoons orally twice a day for maintenance. Can be doubled in more difficult acute conditions (for infections of any kind). For children who weigh 25-75 pounds take half the adult dose. Children less than 25 pounds should take one-third the normal adult dose.
- **Spray:** 6 sprays orally one or more times daily.
- **Gel:** Apply topically 2-3 times a day with a minimum contact time of 10 minutes per application (burns, abrasions, acne).

Silvercillin™	
Liquid	15 ppm
Spray	15 ppm
Gel	24 ppm

For a list of related research studies, please visit:

<http://www.ncbi.nlm.nih.gov/sites/myncbi/collections/public/12Gj5-uEeh7PvsVMijbqfAs/>

To contact Designs for Health, please call us at (800) 847-8302, or visit us on the web at www.designsforhealth.com.