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Silvercillin™ is a highly effective complex of pure silver and purified water with antimicrobial properties.* 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, for beneficial effects 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, A literature review of relevant research has shown that the pure silver in Silvercillin™ may provide a whole host of health benefits, from killing certain drug-resistant bacterial strains to inhibiting replication of some viruses as well as stimulating stem cell production.¹ It can be safely used orally 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 bacterium. 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 functions of 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

The high energy that is constantly occurring creates a resonant frequency, where the silver is resonating at a frequency that is selectively destructive to pathogens.^{2,3} This energy has been measured at 890-910 terahertz, which is the same frequency at which germicidal ultraviolet light resonates.^{2,3} Again, the silver particles in Silvercillin™ are tiny enough to be absorbed by red blood cells and they resonate at the exact frequency shown to disrupt pathogens.*

3. Viral Disruption

Silvercillin™ can bind with the charged, genetically incomplete viral molecules, preventing viral replication.⁴ Because healthy human DNA does not contain a magnetic charge, it remains unaffected by the charge of the Silvercillin™.

Supplement Facts

Amount Per Serving	% Daily Value
Purified Silver	75 mcg *

*Daily Value not established.

Other Ingredients: Purified water.

Benefits of Silvercillin™:

- Antimicrobial activity
- Supports a normal inflammatory response (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
- Supports a healthy immune system
- Does not interfere with antibiotics

Safety

After using Silvercillin™, 99% of the silver leaves the body in 24 hours; all is cleared by 48 hours.³ 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 preliminary human trial of small sample size on people with the AIDS virus demonstrated the safety, tolerance, and beneficial properties in subjects who are immunocompromised.⁵ 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.⁵ However, further research is required.

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 promote the effectiveness of specific antibiotics.^{6,7} With its different biological action than that of antibiotics, the silver molecule in Silvercillin™ may help to “mop up” the resistant pathogens that are multi-drug resistant.⁸ A 2006 study published in *Current Science* looked at 19 common antibiotics in combination with a silver solution against seven different microbial organisms.⁹ 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.⁹

Antimicrobial Properties

The active ingredient in Silvercillin™ has been shown *in vitro* to inhibit and/or kill an extensive array of harmful bacteria including MRSA (methicillin resistant *Staphylococcus aureus*), which can be deadly.^{10,11} 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.¹² 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).¹² Research suggests that silver nanoparticles promote bacterial apoptosis due to increased free radical formation, decreased energy production, and downregulation of antioxidant enzyme expression.⁸ Results from an infected animal model showed that the antimicrobial activity of silver nanoparticles is due to leakage of protein and sugars, increased generation of reactive oxygen species and malondialdehyde, as well as a significant decrease in ATP and lactate dehydrogenase levels in silver-treated bacterial cells compared to controls.⁸

Antiviral Properties (via magnetic disruption)

Silvercillin™ technology has the ability, *in vitro*, to inactivate viruses at the DNA/RNA level.⁴ 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.⁴ This same reaction 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.

Antifungal Properties

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*. *In vitro* research reveals that silver is effective at inhibiting the growth of and killing *Candida albicans* at a dose of 10 ppm after only two hours of exposure, and is effective at inhibiting *C. albicans* biofilm formation.^{13,14} Using Silvercillin™ in the oral cavity may be recommended to help prevent fungal infections (Candida/thrush) and oral plaque build-up.¹⁵

Recommended Use

- Liquid: Take 5 mL (approx. one teaspoon) orally per day, or as directed by your health care practitioner.
- Spray: Take 5 mL (approx. 6 sprays) per day, or as directed by your health care practitioner.
- **NOT FOR TOPICAL USE. INTENDED FOR ORAL INGESTION ONLY.**

For a list of references cited in this document, please visit:

<https://www.designsforhealth.com/techsheet-references/silvercillin-references.pdf>

Dosing recommendations are given for typical use based on an average 150 pound healthy adult. Healthcare practitioners are encouraged to use clinical judgement with case-specific dosing based on intended goals, subject body weight, medical history, and concomitant medication and supplement usage.

*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

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