

What is Colloidal Silver Useful For?

Colloidal silver has been known as a remarkably effective natural antibiotic for centuries. But in past several decades, research has shown colloidal silver can even eradicate antibiotic-resistant microbes like MRSA , the Avian Influenza (bird flu), and Human Corona virus (SARS).

In the mid-1970s, Dr. Robert O. Becker at Syracuse Medical University began his groundbreaking research into colloidal silver. He later concluded:

*“What we have done was rediscover the fact that silver kills bacteria, a fact which had actually been known for centuries ...All of the organisms we tested were sensitive to the electrically generated silver ion, **including some that were resistant to all known antibiotics**...In no case were any undesirable side effects of the silver treatment apparent.”*

However, silver’s innate anti-microbial effect was actually common knowledge among doctors some 60 years before Becker’s time. In fact, in the early 1900’s Alfred Searle, founder of the global Searle Pharmaceutical Company, had already discovered that silver in its liquid colloidal form could kill even the most deadly of pathogens. In his book *Colloids in Biology and Medicine*, 1919, Searle wrote:

“Applying colloidal silver to human subjects has been done in a large number of cases with astonishingly successful results...it has the advantage of being rapidly fatal to microbes without toxic action on its host. It is quite stable. It protects rabbits from ten times the lethal dose of tetanus or diphtheria toxin.”

Unlike prescription antibiotic drugs, silver does not create resistance or immunity in pathogens killed by it.

Recent Research Espousing the Virtues of Colloidal Silver

Over the past few years, several new studies have demonstrated the fact that silver is one of the most effective agents in the battle against MRSA and other deadly antibiotic-resistant super pathogens, including the:

1. **Brigham-Young Clinical Study** -- This study, published in the journal *Current Science* in 2006, found that a number of the antibiotic drugs which had previously been able to kill MDR (multiple drug-resistant) pathogens such as MRSA could be restored to full efficacy against the deadly pathogens, but *only* if a liquid silver solution similar to colloidal silver was used in conjunction with the drug.
2. **Iranian Clinical Study** – This study also found that silver increases the effectiveness of antibiotic drugs against staph infections. The researchers

concluded:

“The antibacterial activities of penicillin G, amoxicillin, erythromycin, clindamycin, and vancomycin were increased in the presence of silver nanoparticles (Ag-NPs) against both test strains. The highest enhancing effects were observed for vancomycin, amoxicillin, and penicillin G against S. aureus.”

3. **Taiwanese Clinical Study** – Published in the journal *Colloids Surface B Biointerfaces* in 2007, this study demonstrated that colloidal silver, by itself, eradicates both MRSA and *Pseudomonas aeruginosa*, another deadly and extremely opportunistic superbug.

Czech Clinical Study – Likewise, this Czech study published in the prestigious *Journal of Physical Chemistry B* in 2006, also demonstrated that colloidal silver was a highly effective agent against MRSA:

“...silver particles with a narrow size distribution with an average size of 25 nm, which showed high antimicrobial and bactericidal activity against Gram-positive and Gram-negative bacteria, including highly multi-resistant strains such as methicillin-resistant Staphylococcus aureus (MRSA). The study further demonstrated that very low concentrations of silver could be utilized to destroy MRSA, as long as the silver particles were very small, averaging 25 nm.”

How to Protect Yourself Without Dangerous Drugs and Vaccinations

By Dr. Mercola www.mercola.com

Let me reiterate the many ways you can protect your health from ANY kind of flu, without a potentially dangerous vaccine. I have not caught a flu in over two decades, and you can avoid it too by following these simple guidelines, which will keep your immune system in optimal working order so that you're far less likely to acquire the infection to begin with.

- **Optimize your vitamin D levels.** As I've previously reported, optimizing your vitamin D levels is one of the absolute best strategies for avoiding infections of ALL kinds, and vitamin D deficiency is likely the TRUE culprit behind the seasonality of the flu -- not the flu virus itself.

I would STRONGLY urge you to have your vitamin D level monitored to confirm your levels are therapeutic at 50-70 ng.ml and done by a reliable vitamin D lab like Lab Corp.

If you are coming down with flu like symptoms and have not been on vitamin D you can take doses of 50,000 units a day for three days to treat the acute infection. Some

researchers like Dr. Cannell, believe the dose could even be as high as 1,000 units per pound of body weight for three days.

However, most of Dr. Cannell's work was with seasonal and not pandemic flu. If your body has never been exposed to the antigens there is chance that the vitamin D might not work. Your best bet is to maintain healthy levels of vitamin D around 60 ng/ml.

- **Avoid Sugar and Processed Foods.** Sugar decreases the function of your immune system almost immediately, and as you likely know, a strong immune system is key to fighting off viruses and other illness. Remember that sugar is present in foods you may not suspect, like ketchup and fruit juice.
- **Get Enough Rest.** Just like it becomes harder for you to get your daily tasks done if you're tired, if your body is overly fatigued it will be harder for it to fight the flu. Be sure to check out my article [Guide to a Good Night's Sleep](#) for some great tips to help you get quality rest.
- **Have Effective Tools to Address Stress.** We all face some stress every day, but if stress becomes overwhelming then your body will be less able to fight off the flu and other illness.

If you feel that stress is taking a toll on your health, consider using a tool such as meridian tapping techniques, which is remarkably effective in relieving stress associated with all kinds of events, from work to family to trauma. You can check out [my free, 25-page manual](#) for some guidelines on how to perform this simple technique.

- **Exercise.** When you exercise, you increase your circulation and your blood flow throughout your body. The components of your immune system are also better circulated, which means your immune system has a better chance of finding an illness before it spreads. You can review my [exercise guidelines](#) for some great tips on how to get started.
- **Take a good source of animal-based omega-3 fats like krill oil.** Increase your intake of healthy and essential fats like the omega-3 found in krill oil, which is crucial for maintaining health. It is also vitally important to avoid damaged omega-6 oils like trans fats as it will seriously damage your immune response.
- **Wash Your Hands.** Washing your hands will decrease your likelihood of spreading a virus to your nose, mouth or to other people. Be sure you don't use antibacterial soap for this -- antibacterial soaps are completely unnecessary, and they cause far more harm than good. Instead, identify a simple chemical-free soap that you can switch your family to.
- **Use All-Natural 'Antibiotics'.** Garlic works like a broad-spectrum antibiotic against bacteria, virus, and protozoa in your body. And unlike with antibiotics, no resistance can be built up so it is an absolutely safe product to use. However, if you are allergic or don't enjoy garlic it would be best to avoid as it will likely cause more harm than good.

Other all-natural antibiotics include olive leaf extract, oil of oregano, and high quality COLLOIDIAL SILVER.

- **Avoid Hospitals and Vaccines** In this particular case, I'd also recommend you stay away from hospitals unless you have an emergency, as hospitals are prime breeding grounds for infections of all kinds, and could be one of the *likeliest* places you could be exposed to this new bug.

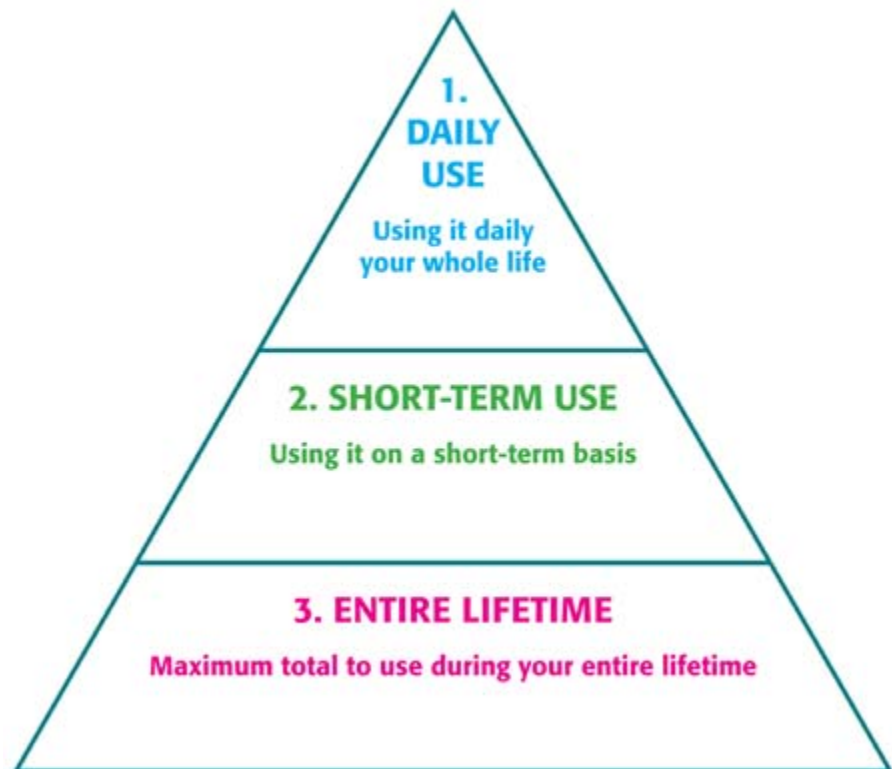
New Guidelines for Safe Usage of Colloidal Silver

Posted by: [Dr. Mercola](#)

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The [Silver Safety Committee](#) has announced its creation of the Silver Safety Pyramid, which is designed to enable anyone to easily determine safe usage levels of any dietary supplement containing silver, typically referred to as ionic silver or colloidal silver.

The Silver Safety Committee consists of doctors, chemistry professors and world leaders in health-freedom advocacy.



According to Herbert Slavin, M.D., director of the Institute of Advanced Medicine in Lauderhill, Florida, and a member of the Committee:

"This is an area where confusion and concern developed needlessly. Few things in life are as cut-and-dried as the fact that silver is completely safe when used within normal limits. The U.S. government provides a very clear guideline for the safe oral intake of silver. We've simply provided an easy method for applying that guideline to the safe use of any silver supplement product."

The U.S. Environmental Protection Agency has a guideline called the Reference Dose (RfD) for safe limits on daily intake of silver. The EPA's RfD guideline is specifically intended to keep a person's intake of silver below the level that could possibly discolor the skin.

Says Jeffrey Blumer, M.D., Ph.D., director of the Center for Drug Research, the world's largest clinical research center for pediatric drugs, and former director of the Greater Cleveland Poison Control Center:

"Common substances like table salt and aspirin are harmless with normal use, but excessive intake can become toxic and even life-threatening. With normal responsible usage, silver supplements are entirely harmless to humans."

The Silver Safety Pyramid is based on the Committee's Silver Safety Guideline, which recommends that a person's intake of silver from dietary supplements be limited to 25 percent of the EPA's recommended limit for total daily intake of silver.

It utilizes the Silver Safety Calculation, a simple mathematical formula that enables a person to easily determine how much to take of any silver- containing product to remain within the safety guidelines.

The EPA RfD guideline is expressed in terms of micrograms of silver. Virtually all silver supplements, on the other hand, are labeled in terms of parts per million (ppm), which is the concentration of silver in the water, not micrograms. With the Silver Safety Calculation, you just plug in your pounds of body weight and the ppm of silver in whatever silver supplement you're using, and it calculates the appropriate limits for you.

The Silver Safety Calculation is simple enough: 12 times pounds divided by ppm equals drops per day.

The Silver Safety Pyramid provides guidelines for determining safe usage limits from three perspectives:

- Daily use
- Short-term use
- Entire lifetime

*"This is useful information for everyone interested in using silver for health," Dr. Baird added. **"If people follow these guidelines, they can use silver supplements while remaining fully confident they are not exposing themselves to any risks whatsoever."***

The Committee's website includes the Silver Safety Auto-Calculator, which automatically performs the math in the Silver Safety Pyramid for you. The site also has an Education & FAQ section, which helps clarify the meanings of terms like ppm, ionic silver, colloidal silver, and more.

The website is <http://www.silversafety.org>.