

What is Colloidal Silver?

Colloidal silver is odourless, tasteless and has no known negative reaction to any medication, health problem, diet, or artificial alteration to the human body. It is considered to be a natural antibiotic.

Colloidal Silver is extremely minute silver particles suspended in water, with a positive electrical charge. The smaller the silver particles, the more effective Colloidal Silver has proven to be. The best Colloidal Silver is produced at the molecular level. A small DC current is passed through an electrolyte (distilled water) with silver electrodes. Minute, molecular sized particles are drawn off the positive electrode, having a positive electrical charge. This electrical charge is of primary importance to healing and antibacterial qualities.

Some researchers tell us that in prolonged, very heavy doses, some silver compounds will leave gray deposits in the heavier skin folds such as the knuckles. This condition is known as "Argyria". The only problem to these deposits is said to be the cosmetic appearance and the condition is said to be rare. Some experts say this condition has never been known to occur from silver in the colloidal state.

Other experts warn that this might be a problem with extremely high, prolonged dosages (such as drinking many quarts of Colloidal Silver per day over months of time). The very small particle size in the Colloidal Silver would seem to make this possibility remote. Argyria is correctable with laser treatment, like a tattoo. (It should be noted that there has been only one case of Argyria reported in the world in the last 100 years.)

Colloidal silver is kept secret by the pharmaceutical industry for two very important reasons. The first reason, of course, is that the effectiveness and availability of Colloidal Silver would severely cut into the profits the drug companies make today on all the various antibiotics, flu, and cold remedies.

The second reason is that Colloidal Silver cannot be patented. The Food and Drug Administration has classified Colloidal Silver as a pre-1938 drug, which makes it exempt from current patent laws. If a product cannot be patented and a monopoly held on it in the marketplace, it cannot demand a high price. Therefore, Colloidal Silver is worthless to the pharmaceutical companies

History of Colloidal Silver

Colloidal silver (CS) is a natural antibiotic which has been used throughout the world for centuries as a means to destroy microbes of all kinds and to correct many health problems. It was removed from public use in the United States in the 1920's and 1930's by the medical profession in their move to purge natural health remedies from the marketplace.

As late as August, 1998 the FDA ordered all colloidal silver removed from all U.S. Health Stores, but due to public outcry, that order has been temporarily relaxed. Today, the use of colloidal silver is spreading rapidly throughout the medical community in the healing of burn victims. Medical doctors have never denied the merits of silver in the form of silver nitrate as a bactericide. Silver nitrate is routinely used in drops put into a baby's eyes at birth to prevent blindness from venereal disease.

In Health Consciousness, Vol. 15, No. 4, Pg. 5 we read: "In the former Soviet Union, silver is used to sterilize recycled water aboard space shuttles. NASA has also selected a silver/water system for its space shuttle.

Internationally, many airlines use silver water filters to guarantee passenger safety against water-borne diseases such as dysentery. The Swiss government has approved use of such silver water filters in homes and offices. In the U.S some city municipalities use silver in the treatment of sewage. Silver works so well in purifying water that it is sometimes used to purify swimming pool water. It does not sting the eyes as chlorine does, and it does kill mosquito larva. An experiment conducted in Nebraska demonstrates its effectiveness. Fifty gallons of raw sewage were pumped into a pool without any disinfectant. A standard measure of contamination is the count of E. coli, a bacteria organism found in the intestinal tract. The count soared to 7000 E. coli cells per milliliter of water. When the water was exposed to silver electrodes, within three hours it was completely free of E. coli."

Uses of Colloidal Silver

Silver acts as a second immune system for humans by destroying bacteria and viruses of all kinds. It is toxic to bacteria, viruses, yeasts, fungi (molds), protozoa, and parasites in the egg stage. Therefore, Colloidal Silver will destroy staph and strep bacteria which are so common in today's health problems.

Bacteria have a tremendous ability to adapt to substances. They can and do mutate to overcome antibiotics. When the antibiotics destroy the bacteria which are susceptible to them, they can clear the way for resistant bacteria to move in uninhibited. Still another problem that has plagued the medical profession from the beginning with modern antibiotics has been that beneficial bacteria and organisms play various important, natural functions in the body. Antibiotics often play havoc with some of the friendly organisms, producing long lasting side effects that may be difficult to correct. One reason that the antibiotics have been so popular in the medical field is due to the fact that they can be patented. Therefore, the pharmaceutical companies find it financially worthwhile to keep the doctors educated in their medicines, while other products go unnoticed.

Silver, on the other hand, is not patentable and there are no huge profits in it, so it is not worth heavy promotion. The high-priced products run over the low cost products, simply because of profitability. All of this is happening at the same time that disease bacteria are developing immunity to antibiotics all over the world.

Science Digest suggested an answer to all of these catastrophic problems back in March of 1978 in an article titled "Our Mightiest Germ Fighter". This article by Jim Powell stated: "Thanks to eye-opening research, silver is emerging as a wonder of modern medicine. An antibiotic kills perhaps a half-dozen different disease organisms, but silver kills some 650. Resistant strains fail to develop. Moreover, silver is virtually non-toxic.

Silver has been known to be a bactericide for at least 1200 years. Even in ancient times, it was known to prevent disease, and it was said that disease could not be transmitted in drinking from a silver cup. Silver coins were commonly dropped into a jar to prevent the spoilage of milk and other drink, and silver containers were used to prolong the freshness of foods in general. Wealthy people used to feed their babies with a silver spoon, which was considered to be a cause of strong healthy growth. Even today, some commonly call all tableware "silverware" although it is more commonly stainless steel.



In the 1920's, 30's and 40's, silver was ground very fine like flour, suspended in water and was used orally for many infections and disease conditions, topically on burns, and for fungal infections. Until almost 1970 it was common for scientists to put a silver dime in a Petri dish to sterilize the dish. Silver was long used for plates for the surgical repair of bones.

After the development of the patented antibiotics, silver was forgotten in the United States and most other places, although the antibiotics are only effective against bacteria, not viruses, yeast, or fungi. Now, with the greatly improved modern colloids, the tables are turning and silver may be the most effective treatment of all.

The body's ability to process the tiny atoms of Colloidal Silver makes silver build-up in the body impossible. The Environmental Protection Agency's Poison Control Center reports a 'no toxicity' listing for Colloidal Silver.

Colloidal Silver is the only form of silver that can be used safely as a supplement. It is absorbed into the tissues at a slow enough rate that is not irritating to tissues, unlike silver nitrate which reacts violently with tissues because of its caustic action.

The body has a vital need for silver to produce new healthy cells. Since our blood is also a colloid, the harmonious way the colloids enter the body may well make Colloidal Silver the safest medicine on earth.

Dr. Robert O. Becker, MD, says that a deficiency of silver in the diet contributes to disease. In fact he found that those with low levels of silver in their body had frequent colds, flu, and sicknesses. He feels that a silver deficiency can be the cause of improper functioning of the immune system.

Medical Uses of Colloidal Silver

In "Colloidal Silver", a booklet produced by the Association for Colloidal Research, it is reported that: "Medical Journal Reports and documented studies spanning 100 years indicate no known side effects from oral or IV administration of properly manufactured Colloidal Silver in animal or human testing. There has never been a reported reaction with Colloidal Silver to any prescription medication."

The evidence appears to support the theory that Colloidal Silver is highly effective against all strains of pathogenic bacteria, while any one antibiotic is only effective against a few certain bacterial strains. Furthermore, antibiotics have never been effective against viruses, yeast or fungi. Yet, researchers are telling us that Colloidal Silver has produced phenomenal results in tissue healing and reconstruction, as well as reducing scar tissue in clinical tests. Severe cuts and wounds have healed in much less time.

Laboratory tests have shown Colloidal Silver to kill over 650 destructive bacteria, viruses and fungi within minutes of contact. UCLA ran some tests on Colloidal Silver and their report states: "The silver solutions were antibacterial for Streptococcus pyogenes, Staphylococcus aureus, Neisseria gonorrhoea, Gardnerella Vaginalis, Salmonella Typhi, and other enteric pathogens, fungicidal for Candida albicans, Candida globata, and M. furfur, and it killed every virus that was tested in the lab".



Other voices: Dr. Hirschberg, John Hopkins: "...remarkable for their beneficial action in infective states". Dr. Henry Cooks: "I know of no microbe that is not killed in laboratory tests within six minutes". Dr. Gary Smith: "When silver was present the cancer cell was de-differentiated and the body was restored".

Certain bacteria are essential to healthy body function. Several researchers claim Colloidal Silver only attacks the unfriendly pathogens and will not harm the friendly ones, but one must wonder how it can possibly differentiate. The explanation is that the friendly bacteria are aerobic, while unfriendly bacteria are anaerobic.

Silver does not attack bacteria directly, but rather decomposes certain enzymes the anaerobic bacteria, viruses, yeast, and molds require. The silver acts as a catalyst and is not consumed in the process. It is probable that this indirect action is also the reason bacteria cannot develop a resistance to silver, as they do to antibiotics.

In the 1970's Dr. Carl Moyer, Chairman of Washington University's Department of Surgery, received a grant to develop better treatments for burn victims. Dr. Harry Margraf worked with Dr. Moyer and other surgeons, a chief biochemist on this project. They tested 22 antiseptic compounds and rejected all of them.

The problem was that infections in burns often failed to respond to antibiotics. Most antiseptics actually destroy the delicate healing tissues in severe burns and were very painful. The greatest problem was the bacterium *Pseudomonas aeruginosa*, which is particularly infectious to burns and fails to respond to all common antibiotics. In his research into medical history, Dr. Margraf found numerous references to silver as an antimicrobial agent. Dr. Margraf therefore tried silver nitrate, the same solution used in newborn babies' eyes at birth to prevent blindness from venereal disease. It worked! However, he found it disturbed the balance of body salts, stained everything it touched, and in high concentrations was corrosive and painful.

After further study he found that all of these problems were solved by Colloidal Silver. With Colloidal Silver as the base, he then developed a salve that has been extremely effective in treating the infections and healing in serious burns. Colloidal Silver is now routinely used for severe burn victims, resulting in a large reduction of scarring and a heavy reduction of deaths for extensive severe burns.

The article in Science Digest, March, 1978, relates: "A speeding car overturned and burst into flames. The 18-year-old driver suffered burns all over his face, neck, arms, hands, back, stomach, and legs. Burns covered more than 80 percent of his body. Until recently, this would have been a death sentence. Doctors knew how to restore vital body fluids and salts, but had no way to fight infection, the primary cause of death in burn cases. Fortunately, for this youth, a new silver compound killed deadly bacteria and enabled him to heal. He was out of the hospital within four months."

Another line of research that has led to this change of thinking is described in the best seller: "The Body Electric", in which Robert O. Becker, leading research scientist in the field of bone regeneration, states: "The germ killing action of silver has been known for some time. The Soviets use silver ions to sterilize recycled water aboard their space stations. It kills even antibiotic-resistant strains, and also works on fungus infections."

He goes on to say: "It stimulates bone-forming cells, cures the most common stubborn infections of all kinds of bacteria, and stimulates healing in the skin and other soft tissues." Certainly that is a broad statement, but Dr. Becker further relates a fascinating story which would seem to substantiate his belief. A man's broken right tibia and fibula refused to bond and the skin refused to heal over a large area of the leg for a year and a half. The leg was infected with five kinds of bacteria, all of which refused to respond to antibiotics. As a last resort before amputation, Dr. Becker treated the condition with silver charged with a very minute electrical current. This produced silver ions in the bone area and at the surface area. After extensive experiments along these lines, Dr. Becker concluded: "Cells exposed to positive silver ions profoundly stimulate healing in a way unlike any known natural process. Whatever its precise mode of action may be, the electrically generated silver ion can produce enough cells for blastomas; it has restored my belief that full regeneration of limbs and other body parts can be accomplished in humans."

Dr. Becker's experiments seem to show that Colloidal Silver not only kills the pathogens, but also produces dramatic healing of tissue such as his statement of the skin growth on the leg quoted above. The silver ion produces some cells with no differentiation. These cells can turn into any cell that is needed. Only these dedifferentiated cells can be used to create the cells necessary to replace destroyed cells such as in a wound or rebuild missing tissue. It seems to be for this reasoning that Colloidal Silver heals injuries without scarring, or at least greatly reduces scarring, while greatly accelerating the reconstruction or general healing of wounds. Scar tissue develops when de-differentiated cells are in short supply. Therefore it would seem, from the evidence at hand, that Colloidal Silver could reduce or prevent internal scarring and promote internal healing after surgery.

In "Report: Colloidal Silver, Health Consciousness, Vol. 15, No. 4", it is stated "Silver aids the developing fetus in growth, health, and eases the delivery and recovery." Hospitals routinely use it in new-born infants' eyes to prevent 'infection caused' blindness.

Silver supports the T-cells in their fight against foreign organisms in the blood. It virtually forms a second immune system, actually protecting and defending T-cells. It is strongly suggested by research scientists such as Dr. Gary Smith and others that silver ions are essential to the immune system.

Marvin Robey, has personally used a strong dose of Colloidal Silver (4 oz. of 500 parts per million) for a 'cold' in its early stages. It provided relief in two hours and cured the cold completely in about 24 hours. Others say that it quickly cures their colds in more advanced stages.

How you can use Colloidal Silver?

The ideal color of Colloidal Silver is golden yellow. Over time light will reduce the positive charge on the silver ion, causing it to precipitate from suspension. The silver will then adhere to the walls of the container and render it unusable. This problem is corrected by storing Colloidal Silver in dark coloured glass bottles. This gives it an indefinite shelf life.

The human body is a complex system that may prevent certain levels or concentration of Colloidal Silver from reaching the affected area. Since Colloidal Silver can only destroy pathogenic organisms when it is in contact with them for a sufficient period of time, then the amount of the dosage must be higher in terms of concentration in order to be successful.

Preventative and curative use of Colloidal Silver includes nebulising, to get the Colloidal Silver into your lungs and from there into your blood stream to strengthen your immune system. Gargling with Colloidal Silver creates a barrier to infections entering your body from mouth and throat.

One teaspoonful of a 5 parts-per-million (PPM) solution of Colloidal Silver is equal to about 25 micrograms (mcg.) of silver. Anywhere from 1 to 4 teaspoonfuls (25 to 100 mcg.) per day is generally considered to be nutritional dose, and is reported to be safe to use for extended periods of time. Amounts higher than this are therapeutic doses, and should be used only periodically.

Natural health practitioners have usually recommended one tablespoonful daily for 4 days in order to establish a level, and then one teaspoonful daily for maintenance (proportional to body weight for children). After six weeks, a pause of several weeks has also been suggested by some doctors.

In cases involving an illness or sudden exposure to a harmful organism (such as anthrax spores), natural health practitioners have often recommended taking double (or even triple) the nutritional dose for anywhere from 30 to 45 days in order to provide general protection, and then reducing it to a smaller maintenance dose. In acute conditions, amounts ingested have ranged anywhere from 1 to 32 ounces per day. When taken orally, solutions of Colloidal Silver is absorbed directly from the mouth into the bloodstream, and then is transported rapidly to the cells of the body. Holding or swishing the solution under the tongue for approximately 30 seconds before swallowing may result in quicker absorption, and the silver may accumulate in the bodily tissues in sufficient amounts within 3 to 4 days in order for benefits to occur. In order for it to reach the lower digestive tract, add one teaspoonful of Colloidal Silver to 16 ounces of distilled water, and drink this for 5 days. Colloidal Silver is eliminated by the kidneys, bowels and lymphatic system after several weeks.

It is also important to consume several glasses of water each day when using Colloidal Silver in order to purge the body of toxins. However, if your body is extremely ill or toxic, do not attempt to cleanse the body too rapidly. If pathogens are destroyed too quickly, then the body's five eliminatory channels (the liver, kidneys, lungs, bowels and skin) may become temporarily overloaded, resulting in a "healing crisis" condition (commonly referred to as feeling worse before feeling better syndrome) that includes symptoms such as headaches, dizziness, nausea, extreme fatigue, aching muscles and other flu-like conditions. If this occurs, then reduce your intake of Colloidal Silver while increasing the amount of distilled water. In

addition, regular bowel movements are necessary in order to relieve the discomforts of the detoxification process.

Incidentally, Colloidal Silver is completely safe for children, and many have used the solution either orally, or topically in the eyes and ears of small infants with no adverse reactions. Remember, you cannot overdose on Colloidal Silver, and even if you consumed 50 times the recommended amount, it is not wasted, as it will accumulate in the bodily tissues in order to provide further benefits in the future. One accepted method is to consume a 32 ounce bottle monthly in any convenient increments anytime during the month.

Add Colloidal Silver to drinking water when on holiday or camping. Sterilize anything from tooth brushes to surgical instruments, spray on garbage to prevent decay odors, disinfect dish cloths, cutting boards; add when canning, preserving or bottling fruits and vegetables; spray in shoes and between toes to kill fungus; disinfect bath water, use as gargle, douche, colon irrigation, nasal spray; drop onto bandages and plasters to hasten healing time; soak dentures; spray refrigerator, freezer, food storage containers to stop mildew, mold, wood rot, fungi. Use to spray pet's bedding; use in cleaning and mopping solutions. Spray on the top of open jam jars and food lids before closing to prevent mold. Spray air ducts; use in the final washing machine rinse cycle, and dishwashers. Spray around plant roots to stop rot; spray foliage to remove aphids and mold; use inside gloves and under fingernails, rinse fruit and vegetables, use in shampoos and rinsing water; spray pets and use in pet drinking water; spray carpets, wipe telephone mouthpieces, headphones, hearing aids; spray mattresses and allow to dry to kill dust mites; clean combs and glasses. Apply to baby for nappy rash and spray inside nappy. Clean bathrooms, kitchens, floors, underwear, pillowcases, etc., etc.

For a topical application of Colloidal Silver a silver concentration of 60ppm or higher is needed. At this level Colloidal Silver is effective as an after-shave, deodorant, mouth wash, for gargling and for burns, cuts, insect bites and other skin irritations.

Colloidal Silver is painless on cuts and abrasions, in open wounds, in the nostrils for sinus stuffy nose and even in babies' eyes, because unlike antiseptics it does not destroy tissue cells. Inside the body silver forms no toxic features. It cannot react or interfere with any other medication being taken. There is no limit for external use.