

## **COLLOIDAL SILVER FABULOUS FACTS & Frequently Asked Questions**

Silver deficiency is responsible for the improper functioning of the immune system, concludes Dr. Robert O. Becker, M.D. who has conducted extensive research into the curative properties of silver for many years at the Upstate Medical Center, Syracuse University, Syracuse, NY. Dr. Becker's experiments conclude that silver works on the full spectrum of pathogens without any side effects or damage to the body. He also states that silver does more than kill disease-causing organisms. Silver causes major growth stimulation of injured tissues. Burn patients and even elderly patients notice more rapid healing. He discovered that cancer cells can change back to normal cells. All strains of pathogens resistant to other antibiotics are killed by silver.

The March 1978 issue of Science Digest, in an article, "Our Mightiest Germ Fighter," reported: "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." The article ended with a quote by Dr. Harry Margraf, a biochemist and pioneering silver researcher who worked with the late Carl Moyer, M.D., chairman of Washington University's Department of Surgery in the 1970s: "Silver is the best all-around germ fighter we have."

### **HOW IT WORKS**

The presence of Colloidal Silver near a virus, fungus, bacterium or any other single celled pathogen disables its oxygen metabolism enzyme, its chemical lung, so to say. Within a few minutes, the pathogen suffocates and dies and is cleared out of the body by the immune, lymphatic and elimination systems. Unlike pharmaceutical antibiotics which destroy beneficial enzymes, Colloidal Silver leaves these tissue cell enzymes intact as they are radically different from the enzymes of primitive single-celled life. Thus Colloidal Silver is absolutely safe for humans, reptiles, plants and all multi-celled living matter.

Colloidal Silver is the result of an electro-magnetic process that pulls microscopic particles from a larger piece of silver into a liquid such as water. These microscopic particles can more easily penetrate and travel throughout the body. Colloidal Silver works as a catalyst, disabling the enzyme that all one celled bacteria fungi and viruses use for their oxygen metabolism. In short, the bad guys suffocate.

Unlike with antibiotics, resistant strains have never been known to develop. In fact, antibiotics are only effective against perhaps a dozen forms of bacteria and fungi, but never viruses. Because no known disease causing organism can live in the presence of even minute traces of the chemical element of metallic

**silver, colloidal silver is effective against more than 650 different disease causing pathogens.**

**Since there is not enough room to list all the diseases against which Colloidal Silver has been used successfully, here is a tiny sample; acne allergies appendicitis, arthritis, blood parasites, bubonic plague, burns - colloidal silver is one of the few treatments that can keep severe burn patients alive, cancer, cholera, conjunctivitis, diabetes, gonorrhea hay fever, herpes, leprosy, leukemia lupus, Lyme disease malaria, meningitis parasitic infections both viral and fungal, pneumonia, rheumatism, ringworm, scarlet fever septic conditions of the eyes, ears, mouth and throat, shingles, skin cancer, staph infections, strep infectious, syphilis, toxemia, trench foot, all forms of viruses, warts and stomach ulcer. In addition it also has veterinary uses such as canine parvo virus.**

**You'll also find Colloidal Silver very handy in the garden and bathroom since it can be used against bacterial, fungal and viral attacks on plants and humans. Spray diluted Colloidal Silver on plant leaves, and add to soil water. Colloidal Silver gets quickly to the body cells. Keep a spray bottle of it in the bathroom for feet, hands & face.**

#### **INGESTING COLLOIDAL SILVER**

**Taken orally, the silver solution is absorbed from the mouth into the bloodstream, then transported quickly to the body cells. Swishing the solution under the tongue briefly before swallowing ensures fast absorption, In three to four days the silver will have accumulated in the tissues sufficiently for benefits to begin. Since Colloidal Silver is eliminated by the kidneys, lymph system and bowel after three weeks, a regular daily intake is recommended as a protection against dangerous pathogens. In cases of minor burns, an accumulation of Colloidal Silver can hasten healing, reducing scar tissue and infection The lives of millions of people susceptible to chronic low-grade inflections can be enhanced by this powerful preventative health measure**

#### **FOR CHRONIC OR SERIOUS CONDITIONS**

**Take double or triple the recommended amount for 10 to 45 days, then drop to the maintenance dose. If your body is extremely ill or toxic do not be in a hurry to clear up everything at once. If pathogens are killed off too quickly, the body's five eliminatory channels, i.e., the liver, kidneys, skin, lungs and bowel, may be temporarily overloaded, causing flu-like conditions, headache, extreme fatigue, dizziness, nausea or aching muscles.**

**Ease off on the Colloidal Silver to the maintenance amount and increase your distilled water intake, Regular bowel movements are a must in order to relieve the discomforts of detoxification. Resolve to reduce sugar and saturated fats from the**

diet, and exercise more. Given the opportunity, the body's natural ability to heal will amaze you.

## **TOPICAL USES**

Colloidal Silver is painless on burns, cuts, abrasions, in open wounds, in the nostrils for a stuffy nose, and even in a person's eyes because unlike antiseptics, it does not destroy tissue cells. It is perfect with cosmetics, creams and lotions. Spray on then add your favorite beauty product.

## **TOLERANCE TO DISEASE ORGANISMS**

It is impossible for single celled germs to mutate into silver resistant forms, as happens with conventional antibiotics. Therefore no tolerance to Colloidal Silver ever develops.

Also, Colloidal Silver cannot interact or interfere with other medicine being taken. Inside the body, silver forms no toxic compounds nor reacts with anything other than a germ's oxygen metabolism. Colloidal Silver is truly a safe, natural remedy for many of mankind's ills. It would appear highly unlikely that even germ warfare agents could survive an encounter with Colloidal Silver. Since viruses like Ebola and Hanta, or even the dreaded "flesh-eating bacteria" are in the end merely hapless viruses and bacteria.

To top it off Colloidal Silver is non-toxic, making it safe for both children and adults, as well as pets. In short, anything bigger than a one-cell animal seems to like it. Nor should one have to worry about the FDA (Food and Drug Administration) being put in charge of this home remedy. Colloidal Silver is grandfathered as a pre 1938 healing modality. This makes it exempt from FDA jurisdiction.

## **SO WHAT DOESN'T COLLOIDAL SILVER DO?**

...It doesn't upset the stomach and in fact is a digestive aid. It does not sting the eyes. Medical journal reports and documented studies spanning the past 100 years indicate no known side effects from oral or IV administration of colloidal silver in animal or human testing. Colloidal silver has been used with good results under the most demanding health care circumstances.

Without overstating the case, it may be time to recognize colloidal silver as not only the safest medicine on Earth but also the most powerful.

## **WHAT IS IT? Questions and Answers About Colloidal Silver**

Colloidal Silver is a pure all-natural substance consisting of sub-microscopic clusters of silver held in a suspension of pure ionized water by a tiny electric charge placed on each particle.

## **WHAT DOES IT DO?**

**Colloidal Silver is a powerful, natural antibiotic. It is the most usable form of the most effective disease, germ, virus and fungal killer known. It has been found to be both a remedy and a prevention for colds, flu, all infections and all fermentation due to any bacteria fungus or virus - especially staph and strep which are often found in disease conditions. It has been reported to rapidly subdue inflammation and promote faster healing.**

**The body needs Colloidal Silver to fight disease causing organisms and to aid healing. Taken daily, Colloidal Silver provides a second immune system resulting in more energy, vitality, vigor, relaxation, faster healing and reduced bodily toxins. Artificial antibiotics kill, on average 6 different disease organisms but Colloidal Silver is known to kill over 650 diseases without any harmful side effects or toxicity.**

## **SILVER IN OUR BODIES?**

**We get silver and all minerals in our bodies through the food we eat. This comes directly from organic soil. This soil is rich in living organisms. These microbes break down the soil so plants are provided minerals in a form assimilable to the plant. Hence, we get silver naturally from the minerals present in organically grown plants.**

**If we eat plants that have been grown on chemical fertilizers as most plants are grown today without sufficient living organisms in the soil to provide nutrition to the crops we do not get the quantity of vitamins and minerals which are available in organically grown foods. Thus deficiencies develop.**

**As we age our ability to assimilate silver decreases. We develop a silver deficiency and an impaired immune system that can lead to cancer and other degenerative diseases. Dr Robert Becker noticed a correlation between low silver levels and sickness.**

**People who had low levels of silver were frequently sick, had innumerable colds, flu, fevers and other maladies. He believes a silver deficiency is the reason for improper functioning of the immune system**

## **WHY SILVER?**

**Silver has benefited mankind's health for thousands of years. In ancient Greece and Rome people used silver containers to keep liquids fresh. American settlers traveling across the West put a silver dollar in milk to delay its spoiling.**

**Around the turn of the century doctors prescribed silver nitrate for stomach ulcers and it has been common practice to put a few drops of a silver solution in the eyes of a newborn baby to kill bacteria that might cause blindness. A silver compound -**

**silver sulfadiazine is used in 70 per cent of the burn centers in the U.S. It helps stop the herpes virus.**

**Note: it is not the silver in dental fillings that is harmful but the mercury which is a deadly poison.**

### **WHAT IS THE HISTORY OF COLLOIDAL SILVER?**

**Colloidal Silver was widely used 60 to 70 years ago when, among other reasons, the cost became prohibitive about \$100 per ounce in 1930 dollars. The quicker, more specific and fast acting man made antibiotics became prevalent in the 1940's. High quality Colloidal Silver can now be produced at low cost.**

### **WHAT ARE THE KEY CHARACTERISTICS?**

**Colloidal Silver is non-toxic, non-addictive and has no side effects. The body develops no tolerance and one cannot overdose. Colloidal Silver cannot cause harm to the liver, kidneys or any other organ in the body. It is safe for pregnant and nursing women and even aids the developing fetus in growth and health as well as easing the mother's delivery and recovery. Colloidal Silver is odorless, tasteless, non-stinging, harmless to eyes, contains no free radicals, is harmless to human enzymes . . .**

### **HAS IT BEEN CLINICALLY TESTED?**

**YES! Colloidal Silver has been successfully tested at the UCLA Medical Labs where it killed every virus on which it was tested.**

### **WHAT DOES THE FDA SAY?**

**According to the United States Government Food and Drug Administration Colloidal Silver may continue to be marketed and used as it was originally intended. Colloidal Silver exceeds FDA recognized standards for safety. In a September 13, 1991 letter written by Harold Davies, U.S. Food and Drug Administration Consumer Safety Officer stated that FDA has no jurisdiction regarding a pure, mineral element.**

### **WHAT ABOUT COLLOIDAL SILVER FOR AIDS?**

**Since in active AIDS, the suppressed immune system of the body is open to all kinds of disease. Colloidal Silver is the perfect nontoxic medicine to use for its wide spectrum antibiotic effect. A researcher at Brigham Young University sent Colloidal Silver to two different labs including UCLA Medical Center, and reported "It not only killed the HIV virus but every virus that was tested in the labs. According to FDA rules, Colloidal Silver cannot be used for treating the HIV virus, but it could be used as an antibiotic for all acquired diseases of active AIDS.**

## **WHAT OTHER USES ARE THERE FOR COLLOIDAL SILVER?**

Tests prove, due to the high absorption of silver in the small intestine, the friendly bacteria in the large intestine are not affected. All bacterial, viral and fungal organisms are killed within 6 minutes of contact. Higher silver content in the body causes faster and more frequent contact with these organisms. No disease causing organism can live in the presence of simple silver. . .

## **COLLOIDAL SILVER VERSUS PHARMACEUTICAL ANTIBIOTICS**

Interest in Colloidal Silver has increased recently because illness causing organisms do not build up a resistance to Colloidal Silver the way they do to pharmaceutical antibiotics. Antibiotics are becoming less effective as resistance to them grows.

The Los Angeles Times states "In the last decade, a broad resistance to antibiotics has begun to emerge. Because bacteria can transfer genes among themselves, experts only expect the resistance to grow, The potential nightmare is an Andromeda strain, which is immune to all antibiotics and could wreak havoc "Arsenal of Antibiotics Failing as Resistant Bacteria Develop" October 23, 1994.

. . .Forty years after the advent of antibiotics many types of disease causing organisms have developed an immunity to their action. Over the years the medical establishment has reported on the new strains of "Super Bugs" that cannot be destroyed by antibiotics.

Newsweek Magazine reported in March 28, 1994 that in 1992 13,000 hospital patients died of infections that resisted every drug doctors administered. . . .

In 1834, the German obstetrician F. Crede administered a 1% silver nitrate to the eyes of newborn infants virtually eliminating the incidence of disease causing blindness in newborn babies. However, it was not until the late 1800's that Western scientists were able to prove what had been known in Eastern medicine for thousands of years - that silver is a proven germ fighter!

Once the discovery was made that the body's chief fluids were colloidal in nature, the endless possibilities which could occur from the use of colloids in medicine were recognized. As a result, a silver solution known as Colloidal Silver became widely used in medicine as one of the mainstays of antimicrobial treatment.

"What we actually have done is rediscover that silver kills bacteria' states Dr. Robert Becker M. D. 'It is nontoxic in micro-concentrations of 3-5 parts per million.' And now it's silver that is finding wholly new uses as a wonder in modern medicine. Perhaps it soon will be recognized as OUR MIGHTIEST GERM FIGHTER." Science Digest, March 1978.

**...Jim Powell reported in the Science Digest article quoted above, that an antibiotic kills perhaps 7 different disease organisms, but silver kills some 650. Resistant strains fail to develop. Moreover, silver is nontoxic!**

**The comeback of silver in medicine began in the 1970's. The late Dr. Carl Moyer, chairman of Washington University's Department of Surgery received a grant to develop a better treatment for burn victims. Dr. Harry Margraf of St. Louis, as the chief biochemist, worked with Dr. Moyer and other surgeons to find an antiseptic strong enough yet safe enough to use over larger areas of the body.**

**Dr. Margraf reviewed 22 antiseptic compounds and found drawbacks in all of them. He noted that many of these antibiotics were ineffective against a number of harmful bacteria, including the biggest killer in burn cases a greenish blue bacterium called Pseudomonas aeruginosa. In extensive trials silver proved to be the most effective treatment and is currently used in all major burn centers in the United States. The safest proven germ fighter! . . .**

**Colloidal is the form of choice for silver delivery since the body must convert a crystalline solution to a colloid before it can be assimilated.. . .**

## **USES OF COLLOIDAL SILVER**

**For several decades the clinical use of Silver have been proven in the treatment of burns as well as eye, ear, nose, throat, vaginal, rectal and urinary tract infections. Silver has been prescribed in medicine as an aid to the brain, reproductive disorders in women and the circulatory system. It has been used as a remedy for mental imbalances, sleepwalking and anorexia nervosa. Additional uses include the treatment of AIDS, allergies, anthrax, arthritis, blood poisoning, boils, wounds of the cornea, chronic fatigue, cerebral spinal meningitis, candida, cholera, colitis, cystitis, diabetes, diphtheria, dysentery, enlarged prostate, gonorrhea, herpes, hepatitis, infantile diseases, lesions, leukemia, lupus, Lyme disease, parasites, dental plaque remover, rheumatism, ringworm shingles, skin cancer, staph and strep infections, stomach flu, thyroid conditions, tonsillitis, toxemia, stomach ulcers and whooping cough to name a few. It is even used as a natural under arm deodorant and handy for virtually every medical circumstance for humans, plants and animals around the home and farm.**

## **TOPICAL APPLICATION OF COLLOIDAL SILVER**

**Liquid silver as well as new gel formulations, may be applied directly to the skin. A few drops on a Q-tip or band-aid may be used to disinfect any wound or sore. Liquid silver is administered orally and can also be injected. It can be used vaginally, anally, atomized or inhaled into the nose or lungs and dropped into the eyes. To start, take one teaspoon per day, for seven days, then reduce to half a teaspoon per day. Children should use proportionally smaller doses. For cold and**

**flu symptoms up to a tablespoon three times daily is recommended. Overdosing should not be of concern even if more than the recommended dose is administered.**

**After a few days of use, one might experience a detoxification effect in the form of feeling sluggish or mild aches. Consumption of water will cause these symptoms to disappear.**

**The container and dropper must be amber glass or an opaque plastic to preserve the silver in liquid suspension for any length of time. [This is because light can damage it.]**

**A 65-year-old diabetic cut himself on the leg. He washed and bandaged it but, as often happens with diabetes, the pain persisted. The cut grew into a sore. Soon it became bigger than the bandage and he had to apply a dressing. Still, it grew bigger and ugly. In desperation he went to a clinic. His sore was diagnosed as a stasis ulcer. For a year, one treatment after another was tried. Nothing including penicillin and sulfonamide, could heal the ulcer. If his condition had continued unchecked his leg probably would have been amputated. But finally he was referred to a burn clinic that treated skin ulcers with a silver compound. This promptly stopped the growth of all bacteria. In less than two months, the ulcer was completely healed. Science Digest-March 1978**

#### **WHAT DO HEALTH PROFESSIONALS SAY ABOUT COLLOIDAL SILVER?**

**According to Dr. Evan of Illinois, Kansas "We have had instant success with Colloidal Silver and immune compromised patients. A few examples are: Pink eye (topical) totally resolved in less than six hours; recurrent sinus infections (oral ingestion) resolved in eight days; acute cuticle infections resolved twenty four hours. Another major area in which we have improved our clinical results is in the area of bowel detoxification and dysbiosis. The colloidal silver has provided excellent removal of abnormal intestinal bacteria also it has proved to be a great adjunct to our Candida albicans, Epstein Barr Virus and Chronic Fatigue Syndrome protocols. . . .**

**Extensive research into the curative properties of silver has been conducted for many years at the Upstate Medical Center, Syracuse University, Syracuse, NY under the direction of Dr. Becker. . . [The experiments found that] silver does something more than kill disease-causing organisms. It also causes major growth stimulation of injured tissues. Dr. Becker concludes that the presence of the silver ion may help to regenerate tissue, eliminate old or cancerous cells and any other diseased or abnormal condition.**

**Dr. Henry Crooks in "Use of Colloids in Health--Disease" found that silver in the colloidal state is highly germicidal, quite harmless to humans and absolutely nontoxic. From his bacteriological experiments with silver he concluded "I know of no microbe that is not killed in laboratory experiments in six minutes."**

**Dr. Bjorn Nordenstrorn of the Larolinska Institute, Sweden has successfully used silver as a component in his cancer treatments for many years. Dr. Leonard Keene Hirschberg, M. D. at John Hopkins states, "Speaking generally, the colloidal metals are especially remarkable for their beneficial action in infective states."**

**Dr, Richard L. Davies, executive director of the Silver Institute, which monitors silver technology in 37 countries, reports: "In four years we've described 87 important new medical uses for silver. We're just beginning to see to what extent silver can relieve suffering."**

## **MORE INFORMATION**

**A colloid consists of minute particles that float within a liquid despite the pull of gravity. To stay in suspension for any length of time these particles must be smaller than 1 micron or 1/1000 of an inch. When fresh produce is processed through a juicer, a colloid results in the form of a glass of juice. Drinking fresh juices makes it possible to consume far more nutrients than by eating. Because juice is considered a pre-digested food the body can process large amounts with minimal effort and correspondingly net better health results. As a juice colloid sits, the large particles begin to fall out of suspension and settle at the bottom of the container. To evenly distribute the contents it is common to shake up a bottle of juice before drinking.**

**In the case of colloidal silver, silver particles are pulled off of a pure silver electrode that is immersed in water by applying a low voltage electric current, giving each particle an electric charge. This charge, though long lasting, is not permanent and both daylight and time will cause a colloid to lose its charge. This loss is referred to as "falling out" or "plating out" . . . . While colloidal silver is light sensitive, it is not nearly as light sensitive as camera film. [Which also is made with silver.]**

**If taken to the beach under mid-day California summer sun colloidal silver can be expected to oxidize in about ten minutes. Indoors, under ambient and artificial light, colloidal silver will oxidize in about three days. This only means that once made, colloidal silver should be stored in tinted or opaque containers, preferably amber glass.**

**Many colloidal silver manufacturers claim that if the silver particles are "too large" the resulting brew will prove injurious to the public health. The truth can be found in many science text books. When applying current to silver in solution metallic silver will always break off at the same size 1.26 angstroms or .00001 microns. This particle is so small that the next stop on the road to smallness is the atom itself.**

**Colloids are by nature the smallest particles matter can be divided into while still retaining individual characteristics. Reducing a piece of metallic silver into a cloud of microscopic particles greatly extends its total surface area enhancing bio-availability thus deepening its penetration into the cell.**

**Because the silver particles are charged, they strive to combine with other elements in the solution. Trace elements exist even in distilled water and when the charged silver particles combine with a specific trace element, the solution will turn one of a number of colors like gray, yellow, green or brown whatever element the silver chooses is largely irrelevant. Once in the body silver releases its bond in search of stronger attachments in an effort to stabilize its charge. Therefore, once the silver colloid has entered the body, the original silver particles measuring 1.26 angstroms (about the size of fifteen atoms) quickly pass through the stomach lining and into the blood stream where they circulate for about a week before elimination.**

## **YELLOW COLLOIDAL SILVER**

**The real reason yellow colored colloidal silver is favored by most manufacturers is not because it is more effective than other types, but because it has a longer shelf life before falling out of solution. This stability in solution doesn't automatically translate into a smaller combined particle size between the silver ion and the trace element which it has attached itself to. It may simply be that the trace element which the silver has combined with is more water soluble.**

**The most effective colloidal silver is not a question of color, but of freshness and highest concentration density. A disadvantage of the yellow colloidal silver is its bitter taste, unlike the silver colored colloid. Also, the yellow solution is more difficult to make.**

**When using a 127-volt generator, it is helpful to reduce the water volume to mitigate the much longer activation time that the yellow solution requires. There is no medical evidence that the yellow colloid is more effective than the silver colored colloid. People can always create and compare the effects of the yellow and silver solutions for themselves.**

**To make the yellow solution, use a tall narrow glass with six to eight ounces of distilled water. Use no saline solution. The water will not gain conductivity as it does when saline is added, so the process will take about forty-five minutes. It will produce a concentration of around ten parts per million. Be sure to keep an eye on the color of your solution or it will eventually turn a murky brown and then black. If this happens, just throw it out and start over.**

## **MAKING HIGH CONCENTRATIONS OF COLLOIDAL SILVER**

**As more silver ions travel through the water, the current flow increases which alters the physical parameters necessary for colloidal silver production. The result is a process time limit of about fifteen minutes when using distilled water with saline solution. To create high concentrations of silver, you can heat the water. For every 10 degrees that the water is heated above room temperature, the parts per million (ppm) will be doubled. Therefore if 5 ppm results after seven minutes of activation with sixteen ounces of water at 72 degrees, then 82 degrees would yield 10 ppm, and 92 degrees would deliver 20 ppm, etc. For heating purposes, do not use a tea pot because of the pot's calcification. Use something cleaner like a stainless steel cooking pot before pouring water into a glass, or 1 qt "Vision ware" glass pan.**

**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. In fact, it appears that harmlessness is one of the best attributes of colloid physiology, regardless of content. For example, when examining a bottle of colloidal minerals from the local health food store one can notice arsenic, nickel and lead among the sixty-five trace minerals listed in the contents. In other words, if the particles are small enough, you can even drink arsenic. . . .**

**Cut two flowers in the back yard and leave one on a shelf without water for twenty-four hours. When picked up the next day it will be completely limp. Make a fresh cut at the bottom of the stem, then place it in a glass of high concentrate colloidal silver. Each day it will get better. On the third day, the stem will become firm again as if it had just been cut. Not a single petal will be lost. The second flower that was cut should have been placed immediately in ordinary water. Many of its petals will have already fallen. Though the flower was in water from the start, it is already dying. You will add Colloidal Silver to flower water from then on.**