

Colloidal Silver.

The Natural Antibiotic Alternative

Before 1938, Colloidal Silver had proven to be useful against over 650 different infectious diseases. Today advanced technologies bring us electrocolloidal solutions that work even better!

"Silver is the best all around germ fighter we have." says pioneering researcher Dr. Harry Margraf of St. Louis. Jim Powell reporting in Science Digest March of 1978 in an article titled, Our Mightiest Germ Fighter, said "Thanks to modern research, silver is emerging as a wonder of modern medicine." More recently, Dr. Richard Davies stated, "We're just beginning to see what extent silver can relieve suffering and save lives."

Properly prepared Colloidal Silver is a broad spectrum, disinfecting antibiotic alternative that can significantly reduce the severity and length of almost any type of bacterial infection. It acts as a catalyst that disables the enzymes that all one celled bacteria, fungus and virus use to breathe. They either starve or suffocate and die. Tests show that colloidal silver is toxic to all tested species of bacteria, fungi, protozoa, parasites, and many viruses. There are only 8 pathogens that researchers say are silver resistant (see reference section.) Laboratory tests show pathogens are destroyed within minutes of contact, and resistant strains do not develop. This is also true of staph and strep bacteria. Parasites are killed in the egg stage. However, it does not destroy adult parasites.

Today's Colloidal Silver appears to protect the body's natural enzymes and stimulate new growth of damaged tissue. It is totally non toxic to humans and animals. Tasteless and odorless, properly prepared Colloidal Silver can be used orally, rectally, vaginally, applied topically, or atomized into the nose, lungs and eyes. There have never been any recorded cases of drug interference with any other medication, and there are no side effects. It does not harm the liver, kidneys or any other organ! In small quantities colloidal silver will not normally upset the stomach, and it is unlikely that it would affect the friendly intestinal bacteria. However, if you notice any digestive upset, simply taking acidophilus can restore the friendly flora.

Colloidal Silver is a safe remedy for the youngest child to the oldest adult and of course can be given to animals. It is not addicting, and the body does not develop a tolerance to it. Pregnant and lactating women can also benefit from Colloidal Silver. It is always best to follow the advice of a Naturopathic physician, Nutritionist, or other health care professional for dosage just as you would when taking any vitamin or mineral supplement. There have been no reported incidences of overdosing when taking Colloidal Silver regardless of the amount ingested. Unlike iodine and alcohol, used as a disinfectant, it will not sting!

When we were born, the doctor immediately disinfected the eyes with a diluted solution of silver nitrate to kill bacteria and prevent blindness. Colloidal Silver has now largely replaced silver nitrate in Ophthalmology. Pure silver is beneficial to our health and has no adverse side effects.

Silver Is Essential To Life!

The human body contains about .001% silver. We should obtain silver and all minerals in the body through the food we eat. Organic gardening is called organic because it is derived from living organisms in the soil. There are billions of organisms in a handful of soil which break down the minerals into a colloidal form that is assimilated into the plant. When we eat the plant, these colloidal minerals are assimilated into the blood stream and carried to various organs to be utilized.

Minerals in the soil control metabolism of cells in man, plants and animals. In the fascinating book, *Secrets of the Soil*, Peter Tompkins and Christopher Bird explain in detail how malnutrition begins with the soil because of synthetic chemical poisoning, depletion and being overworked and tired. Soil has become so depleted, trace minerals are not available for adequate nourishment. Silver is a trace mineral that has literally disappeared from the soil. If we cannot get the quality of nutrients from the food we eat, deficiencies develop. Dr. Robert Becker states in his book, *The Body Electric*, "Silver deficiency is responsible for the improper functioning of the immune system."

Colloidal Silver Rediscovered

"What we have actually done was rediscover the fact that silver killed bacteria, which has been known for centuries. When antibiotics were discovered, clinical uses for silver as an antibiotic were discarded." Conclusion from Dr. Robert O. Becker, MD, from his extensive experiments with silver in medicine.

Silver has been used for centuries to prevent disease and treat the ailing. The use of silver goes back to ancient Egypt. It continued to be used as a remedy in the Middle Ages to treat wounds in battle. In ancient Greece and Rome silver containers were used to keep liquids fresh. American settlers often used silver dollars in milk to delay spoiling. Kings and queens were called bluebloods because of the silver content of their blood and the blueness of their skin. The royalty used silver plates, bowls and utensils when eating almost exclusively. They essentially ingested large particles of silver over a long period of time which caused a permanent discoloration of the skin due to silver deposits. This condition is known today as Argyria. There is no danger of this happening in today's time if using properly produced Colloidal Silver.

Colloidal Chemistry.

Colloidal chemistry is a process that changes the molecular structure of a substance without changing the substance itself. A Colloid consists of ultra fine particles that are typically 0.1 to 0.001 of a micron in diameter and are suspended in a medium of different matter. The particles are larger than most molecules but so tiny they cannot be seen by the naked eye. Millions of them would fit on the head of a match. Many ordinary substances are produced from colloids such as rubber, leaded glass, soap and plastics. In this case, silver is converted into particles so minute they can be utilized by living cells. Tissues in the body are composed of billions of cells. The very life force (electricity/energy) of these cells is obtained from colloidal minerals and metals generally supplied to the body from the foods we ingest. Colloids also are an important part of digestion and excretion in the body.

At the turn of the century, scientists discovered blood and lymphatic fluids are colloidal in nature. This breakthrough in understanding led to endless possibilities for medical treatment. Silver was a proven and accepted germ fighter, and colloidal silver became the mainstay in treating infectious disease. There were varying degrees of successes. We now know failures were primarily due to silver particles being too large and not the optimum microscopic size for effectiveness. Another factor is that silver particles must have an electrical charge. We now know this is a critical factor for efficacy. Even so, results in these early times were phenomenal and the results of many scientific studies and examples of its use were published in prestigious medical journals. In 1924 the first electrocolloidal silver was produced. It proved far superior to what had been available and was considered very high tech at the time. Because of advanced technical methods of production, today's solutions are a fraction of the pre-1938 cost and far superior.

The only method known for centuries for producing fine silver for human consumption was to grind it down either manually or chemically into a fine powder. The fine powder appeared to dissolve in water; however, it did not remain in suspension and settled to the bottom of the container. These particles also had a tendency to clump together. The use of protein stabilizers corrects this problem so that the particles settle slowly. However, they tend to block the effects of the silver particles. One problem with using chemical acids to grind the silver is the difficulty in getting the chemical back out of the solution. Trace amounts of these chemicals may be toxic to the consumer.

Properly Produced Colloidal Silver

True Colloidal Silver is produced by a highly technical, electrocolloidal non-chemical method in which particles of 99.999% fine silver are electrically charged and held in suspension in a solution of deionized or distilled water. The solution does not need to be refrigerated but should be kept in a dark place because it is light sensitive. Keep away from magnets and magnetic fields such as computers and micro-waves. Exposure to magnets may cause plating (bonding of particles) or a residue of silver particles to settle in the bottom of the container. This in itself is not harmful, but it can reduce the overall effectiveness of the solution.

Concentrations of 3 -5 parts per million (ppm) is suggested as the ideal Colloidal Silver solution according to some sources. I tried a product that is 1 ppm which seems to be extremely effective, probably because of its high electrical charge and extremely small micron size. Silver particles in solution may vary in concentration; however, in the case of Colloidal Silver, research indicates more is not necessarily better. Less is actually more beneficial. The silver particles must be in the range of .1 to .001 microns in diameter to be effective against the microscopically small viruses, harmful bacteria and fungi. Because they are electrically charged, the particles are in constant motion and can remain in suspension for several months or years in the container. True Colloidal Silver is not affected by gravity because the particles have a uniform negative electrical charge causing them to repel each other, thereby keeping them in a rather homogenous solution. You should not have to shake the solution. True Colloidal Silver will not contain any chemical, protein, stabilizer, binding agent or other artificial additives. Laboratory tests indicate that silver may lose effectiveness when additives are used. The pH should measure approximately 6.5, and true colloidal silver generally ranges from colorless to a pale golden yellow. So

why would some colloidal silver products be gold, green, black or brown in color? This darkening of color usually indicates increased particle size which may reflect a decrease in product quality and effectiveness and could also cause Argyria as discussed earlier. Color variance also depends on concentration and the presence or absence of additives. Additives may or may not be toxic. Pure Colloidal Silver is non toxic.

The Pharmaceutical Movement

People often ask, if this stuff is so terrific, why haven't I heard about it before? Colloidal Silver was at the time very costly to produce. The introduction of Penicillin and other pharmaceuticals caused much of the advancement of colloidal research to be set aside in favor of this new fast working, less costly, more profitable, industry controlled, allopathic medical approach for treating illness. Actually, using drugs is a new approach to treating infectious disease and one that is in serious trouble because of changing pathogenic microbes. Often there are nasty side effects from the use of drugs, and they do not treat the cause of disease. For literally thousands of years people used food, herbs, fasting, colon cleansing, and other natural methods to strengthen the immune system, keep themselves healthy and prevent disease. Today there is a tremendous revival of this information and practice. Although allopathic medicine has its place, we are finding this back to nature biological approach to be far more effective in the long run. If you do not know where to start on this path, contact a Nutritionist, Naturopathic physician or other qualified health professional for guidance. Please don't overlook this important aspect of healing and vastly improved health.

Antibiotic Resistant Diseases.

Antibiotic resistant disease has reached epidemic proportions in the world, and the effectiveness of antibiotics is rapidly decreasing. San Francisco: "Common bacteria that cause pneumonia, children's ear infections and many other diseases are evolving into forms untreatable by all known medicines, threatening a chilling post-antibiotic era that would be "nothing" short of a medical disaster," a researcher said Saturday ...The Associated Press: "In the post-antibiotic world, the simplest infections could quickly escalate into fatal illnesses," said Alexander Tomasz of Rockefeller University in New York. When an antibiotic is taken, if even ONE pathogenic microbe out of trillions escapes death, it can reproduce creating super microbes which are constantly evolving. Some microbes can reproduce in as little time as 20 minutes. Being openly acknowledged in the media is the fact that, because of the over use of antibiotics, we have created strains of supermicrobes that are unkillable by any antibiotic. Penicillin and it's descendants have side effects which cause problems such as nausea, abdominal pain and Candiiasis.

Hope From The Past

The increasing medical interest in silver reflects a kind of revival in the public health sector for a return to biological medicine.

Colloidal silver's destructive action is so incredible that it will protect rabbits tested from ten times the lethal dose of diphtheric toxin. Even in the presence of salts and normal constituents of the blood Colloidal Silver remains stable. The solution is both a treatment for and a prevention for infections of any kind. When taken internally Colloidal Silver is resistant to the action of the acids and alkalies of the stomach and passes into the intestine unchanged. This is good news for such conditions as diarrhea, bacillary dysentery, ulcerative uricaria and forms of dermatitis suggestive of toxemia. Dr. Richard Davies, executive director of the Silver Institute, which monitors Silver technology in 37 countries states: "In four years we've described 87 important new medical uses for silver."

In Dr. Robert Becker's second book, *Cross Currents*, he states that silver was doing something more than killing disease organisms. It was also causing major growth stimulation of diseased tissues, and cancer cells were changed back into normal cells. He noted that burn patients and the elderly noticed more rapid healing. His research confirmed what other tests evidenced; that strains of pathogens resistant to antibiotics are killed by the action of Colloidal Silver.

Colloidal Silver will neutralize viruses on contact; however, viruses surround themselves with a protein shield and bury themselves between the cells of the body often making them difficult to eradicate. *Newsweek*, May 22, 1995, *Outbreak of Fear* article.

One health professional I talked with suggested the use of an oxygen therapy product such as "magnesium octazone" (generic term) to break down the protein shield in order to expose the virus to the silver particles. You can find oxygen products in your favorite health food store and read more about them in a book titled, *Oxygen Therapies* by Ed McCabe. Remember if you smoke or drink, the effectiveness of Colloidal Silver may be reduced because it has to deal with these toxins also.

How Do I Know How Much To Take?

Each manufacturer of Colloidal Silver bases recommended use on parts of silver per million, so instructions vary on taking it orally. Children and babies of course can be given smaller amounts than adults. Animals respond to Colloidal Silver also. Put it in food or water, making sure the water is a small amount so the animal will drink it all. You may also use a dropper and put it down the throat or into the eyes or ears. Colloidal Silver can be added to plant water to prevent or kill mold and various other harmful organisms. It can be sprayed on fruits and vegetables (such as avocados and bananas) to keep them from turning brown. More than half the world's airlines now use silver water filters to guard against such waterborne diseases as dysentery. NASA selected a silver system for the space shuttle after testing 23 different methods of purification. Now Colloidal Silver is also available mixed with glycerin or aloe vera for more effective topical use.

What the FDA says.

Colloidal Silver is considered to be a pre-1938 drug. According to the FDA, these products may continue to be marketed without submitted evidence of safety and effectiveness as long as they are manufactured, sold and labeled for the same use as in 1938. This evidence of safety and effectiveness is

required of all prescription drugs marketed after 1938. The FDA policy allows that Colloidal Silver may be purchased off the shelf of any store that wishes to carry it.

It is the opinion of many that having sufficient silver in the body is akin to having a second immune system. Fortunately, we are remembering the wonder cure that time forgot, Colloidal Silver! It is available again. This old germ fighter is in new form, electro-collodially made and even more effective than in the past. True Colloidal Silver is worth finding and it could, one day, save your life!

Recommended reading (bold type) and other selected references

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The following is a documented list of silver resistant bacteria. 1) *Citrobacter Freundii*, 2) *Enterobacter Cloacae*, 3) *Enterobacteriaceae* (some strains), 4) *Escherchia Coli* (some strains), 5) *Klebsiclla Pneumonize*, 6) *P. Stunzeri* (some strains) 7) *Proteus Mirabilis*, 8) Vegetative *B. Cereus* Spores,