

HEALTH ALERT

Infectious Diseases are the Third Leading Cause of Death in the United States!!

**Anthrax • Asthma
Staph • HIV Virus**

**Germ Warfare • E-coli
West Nile Virus • Hanta Virus**

**Allergies • Strep
Lyme Disease • Ebola**

Former CIA Microbiologist
Larry Wayne Harris

Infectious Disease Specialist
Dr. Thomas Beam

Dr. Carl Moyer
Chairman of the
Washington University
Department of Surgery

Why every household in America should have Colloidal Silver, Mother Nature's pure and natural shining armor to protect our families.

What former President Clinton didn't do

What drug companies don't want you to know

What is Colloidal Silver and how safe is it?

Colloidal Silver is the result of an electromagnetic process that pulls submicroscopic particles of silver (.04 to .001 microns) called silver ions from a larger piece of pure silver into water. These particles are held in suspension by the tiny electric charge on each atom. As minute particles, the silver ions can easily penetrate and travel throughout the body before being excreted through the body's normal elimination processes.

According to the Environmental Protection Agency Poison Control Center, Electrically Generated Colloidal Silver is considered harmless (safe daily dosage is 14 teaspoons of 5 PPM Ionic Colloidal Silver for 70 years!). So taking a teaspoon per hour is very safe and wise for any known infection.

Colloidal Silver has been used with excellent results under the most demanding health care circumstances for nearly a century. It is clearly making a dramatic comeback as one of the stars of modern medicine, and it may well turn out to be the answer to today's horrifying infectious disease crisis in which pharmaceutical antibiotics are no longer able to fight against pathogenic microorganisms as well as they could in the past due to the development of resistant strains.

Colloidal Silver is safe for children, adults, pets, livestock and plants. Since the body is known to have a vital need for silver to maintain both the immune system and the production of new healthy cells and due to the harmonious nature of colloids entering the body (our blood is also a colloid), it stands within reason that Colloidal Silver may literally be the safest medicine on earth.

Dr. Robert O. Becker, orthopedic surgeon and noted biomedical researcher from Syracuse Medical University, and best-selling author wrote that silver did more than kill disease-causing organisms; it promoted major growth of bone, and accelerated the healing of injured tissues by over 50%! He also found that silver stimulates healing in the skin and other soft tissues in a way unlike any known natural process.

Silver deficiency was responsible for the improper functioning of the immune system. Burn patients and even elderly patients notice more rapid healing. Dr. Becker also discovered that all cancer cells change back to normal cells and virtually all strains of pathogens resistant to pharmaceutical antibiotics are killed by silver!

Dr. Becker concluded that, in presence of silver ion, cancer cells change back to normal cells regardless

of their location in the body. The presence of silver ion regenerates tissues and eliminates cancerous cells as well as eliminating other abnormal cells. Dr. Bjorn Nordstrom of Sweden's Karolinska Institute has used silver in his cancer cure methods for many years. He records that he has successfully cured patients who had been diagnosed by other doctors as terminally ill.

He also discovered that the silver was promoting a new kind of cell growth which looked like the cells of children! These cells grew fast, he wrote, "producing a diverse and surprising assortment of primitive cell forms able to multiply at a great rate, then differentiate into the specific cells of an organ or tissue that had been injured, even in patients over 50 years old."

In no case were undesirable side effects of the silver treatment apparent. Dr. Becker also discovered that a silver-impregnated nylon dressing attached to a small battery would cause previously untreatable osteomyelitis and bones that refuse to knit to heal quickly. This combination of silver and tiny electric currents worked so well that it is a standard practice today, when broken bones refuse to knit, to use Dr. Becker's electrified silver process.

Famous doctor paralyzed

One of the most educated medical scientists in the country, with seven degrees in various health fields, Dr. Paul Farber

In 1992, after a hunting trip in Texas, Dr. Farber found he couldn't get out of bed. He was in excruciating pain and severely swollen joints had him feeling like a crippled 90-year-old with severe rheumatoid arthritis, only Dr. Farber was middle-aged and this happened overnight. He saw many specialists and they all had a guess ranging from MS to the rare Guillian-Barre Syndrome (a multiple neuritis-type of affliction). While confined to his bed, being able to move only

his arms and head, Farber felt a tiny lump on his scalp above his forehead, and suspected a tick was embedded there. Indeed there was; after the intern removed the tick, it was sent to a Dr. Thomas Craig, a professor of veterinary medicine at the Texas A&M University. Dr. Craig examined the tick and suspected Farber had Lyme Disease, which is caused by this type of tick. Blood tests then confirmed it was Lyme Disease (LD), which is named after a small town in Con-

necticut where an outbreak crippled over 50 people in 1972. Antibiotics such as penicillin and Rocephin are the first line of defense against LD, but they are not cures because they only repress the disease. Continuous use of the antibiotics causes a severe form of yeast infection and they have to be stopped until it clears up. Shortly after the drugs are withdrawn, the horrible LD symptoms return and the whole process starts over again.

Dr. Farber searched medical literature for something that could possibly destroy the awful bacteria that was making his life so miserable, and finally found what he calls "The Dead Sea Scrolls Of Medicine." In early 1900s, researcher Dr. Crookes' comments about Colloidal Silver killing a microbe in six minutes or less

Farber

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Infectious diseases are the third leading cause of death in the United States!!

Our most powerful antibiotics are becoming impotent against infectious diseases. There are approximately 150,000 Americans who die every year from taking medications as prescribed. Modern antibiotics only kill some bacteria and fungi—not viruses, such as flu and common cold viruses.

Most disease-causing bacteria are or have developed resistance or immunity to antibiotics through normal evolutionary processes. Medical scientists are getting very worried that we won't find new chemicals to fight them. There are several tuberculosis strains that are resistant to all antibiotics. In Cincinnati just recently, there was an 838% increase in whooping cough among children who had been vaccinated!

Even hospitals have become unsafe due to the staphylococcus and streptococcus that are flourishing in that environment, and have become resistant to every antibiotic except one, which is vancomycin. Infectious disease specialist, Dr. Thomas Beam, told Newsweek Magazine, "We know at some point staph and strep bacteria will become resistant to vancomycin."

In Bermuda, 1200 passengers were evacuated from a cruise ship because of a Legionnaires disease outbreak. Recently a cruise ship heading to Cabo San Lucas from Los Angeles had to turn around and go back because 400 passengers came down with an unidentified intestinal ailment and one man died.

Drug companies hate natural remedies

A new era began in medicine with patented synthetic chemicals, which is making the drug companies very wealthy and powerful. Major drug companies won't sell a medicine they can't patent, and anything that occurs in nature can't be patented. Goodbye silver and hello to a smorgasbord of chemical antibiotics.

James R. Privitera, M.D., was formally associated with the famous Scripps Clinic and served on the board of directors of the National Health Federation. Dr. Privitera has a private practice in California and is the author of a widely used medical text book, Live Blood Analysis. He

said, "Electrically Generated Colloidal Silver has the drug companies scared as more and more doctors realize that natural medicines are very useful."

The drug companies are apparently lobbying the FDA to make silver a prescription drug to reduce people's access to it. Antibiotics are the most profitable drugs for the drug companies because so many prescriptions are sold, yet every year they become less effective.

Electrically Generated Colloidal Silver is finally finding its rightful place in the medicine cabinet. I urge everyone to try it."

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Best germ fighter ever found

Hans Kugler, Ph.D., author of the best-seller, Slowing Down The Aging Process and editor of the medical journal, Preventive Medicine Update, said, "The medical field is finally waking up to the fact that the body is not going to respond favorably to designer drugs, which have been the rage for the last 45 years. Nature gave us all the tools for healing; we just have to find the right one for the right job. Colloidal Silver is one of those tools and the best germ fighter ever found."

Former CIA microbiologist Larry Wayne Harris – Colloidal Silver against germ warfare

Will Colloidal Silver work against the pathogens used by terrorists in germ warfare attacks on U.S. cities? According to the book, *The Secret War Against The Jews*, by John Loftus and Mark Aarons, it was in the 1950s that the Soviets made an unsettling discovery in their satellite state of Czechoslovakia.

The Czechs were manufacturing an odorless, tasteless substance that had a germicidal effect even in concentrations as low as one part per billion. This substance was discovered to be a powdered form of Colloidal Silver called Movidyn.

In a study of infected wells, it completely destroyed typhus, malaria, cholera and amoebic dysentery. Drinking containers washed in Movidyn retained their germ-fighting abilities for several weeks. To the amazement of the Soviet Union, Movidyn disinfected every germ warfare agent in

the Soviet arsenal, including their latest designer pathogens.

Movidyn was far too effective and after these discoveries, the Czech factory was dismantled and shipped to the Soviet Union, and Movidyn was kept top secret and was not heard from again.

We are all aware of the imminent threat of Bio-Terrorism against our cities and the warnings issued by our Defense Department, Military and CIA National Intelligence. Former CIA microbiologist, Larry Wayne Harris, claims to have debriefed a female Iraqi terrorist and learned that Saddam Hussein has now over 100 highly-trained terrorist cell teams secreted throughout major U.S. cities, each one in possession of vials of deadly anthrax and bubonic plague virus.

According to Harris, these Iraqi

terrorists now await the command of Saddam Hussein to unleash massive deadly terrorist germ warfare attacks simultaneously in over 100 of our major U.S. cities. Harris says these deadly biological agents will be sprayed into the air by terrorists armed with special spraying devices called venturis, causing literally millions of deaths within a matter of days as the air currents spread the micro-organisms across the country.

When asked if there were any natural substances that could protect the population against anthrax and other germ warfare agents, Harris stated, "The only natural substance I know of that is effective against these microbes is Colloidal Silver. I tested that myself when I was with the CIA, and found it effective against both anthrax and the bubonic plague pathogen!"

HIV virus killed in UCLA Medical Center

Dr. Peter Duesberg, a professor of molecular and cell biology at University of California, reported in his book, *Inventing the Aids Virus*, that sexually transmitted diseases actually destroyed their immune systems and became afflicted with the typical AIDS-type diseases. Since in active aids, the suppressed immune system of the body is open to all types of disease, Colloidal Silver is the perfect natural antibiotic due to its wide spectrum antibiotic effect.

A researcher at Brigham Young University sent Colloidal Silver to two different labs including UCLA Medical Center, which said, "It killed not only the HIV virus but every virus that was tested in the lab." According to FDA rules, Colloidal Silver cannot be used as an antibiotic for all acquired diseases of active AIDS.

Doctors Crookes, Leggeroe and Morris

The wide use of Colloidal Silver in the early 1900s was due mainly to the use, research and scientific reports of Dr. Henry Crookes. He used Colloidal Silver for subduing gonorrhea, tuberculosis, and staphylococcus and many other infectious organisms, as well. Dr. Crookes reported that there wasn't any known microbe that could not be killed in the lab with silver within six minutes.

Dr. Leggeroe found that silver was not only good for protecting babies' eyes but worked for adults, also. He said it was the most useful ophthalmic remedy he had ever encountered for eye infections and were never any side effects or visual impairment using silver.

Dr. Morris reported that silver was a powerful remedy for inflamed and enlarged prostates or infected bladders. He also proved it was useful in ameliorating eczema. After Dr. Crookes' study was published in a medical journal, doctors throughout the world began using silver for tonsillitis, gonorrhea, allergies, appendicitis, bronchitis, ringworm, dysentery, colitis and infections of the middle ear, prostate, uterus, urethra and bladder. Silver applications on the outside of the body was used for septic ulcers, open sores, wounds, insect bites and infections of the nose, eyes and vagina.

Our mightiest germ fighter

In 1978 Dr. Jim Powell wrote an article in *Science Digest* entitled "Our Mightiest Germ Fighter." In this article, Dr. Powell pointed out how much more powerful EGCS was over antibiotics.

100 times more useful than drugs

Clinical researchers at the VA Hospital in Syracuse, New York, confirmed that the new EGCS was 10-100 times stronger than the drugs formerly used for killing bacteria. In 1976 Dr. T.J. Berger found that EGCS was a powerful anti-fungal agent and that one application could stop fungi such as athlete's foot in its tracks. In 1977 Dr. William Foye showed that EGCS was great for dealing with tonsillitis, rhinitis and conjunctivitis (pink eye and related eye infections.)

Best germ killer was discovered over 2000 years ago

Joseph Weissman, M.D., board certified immunologist and assistant clinical professor at University of California Medical School, is the author of a popular-selling book, *Choose To Live*. He said, "Of the thousands of drugs on the market today, only vaccines and antibiotics actually cure any disease. All rest of the drugs simply make you more comfortable while the body cures itself. Now, many antibiotics are losing the battle with germs. Fortunately, the best germ killer, which was discovered over 2000 years ago, is finally getting the proper attention from medical science-natural silver. I sincerely recommend that everyone have EGCS in their home as an antiseptic, antibacterial and anti-fungal agent."

Silver mine

At one time, the soil in many parts of the country contained minute particles of silver. These particles were extracted by plants and passed on to humans and animals. In 1966 Dr. I.H. Tipton reported in the journal, *Health Physics*, that the ideal daily intake of silver was between 50 mcg and 100 mcg. It is an important trace mineral used by the body like chromium and selenium. Unfortunately, commercial fertilizers used by farms today only put nitrogen, no trace minerals, back into the soil. The only place you'll find sufficient silver in the soil will be close to a silver mine.

Nationwide antibiotic shortage

According to Larry Wayne Harris, a terrorist germ warfare attack on a single major U.S. city would result in so many sick and dying people, the country's entire prescription antibiotic stock would be wiped out in under a week.

Recognizing this threat in early 1999, former President Bill Clinton promised on national television to institute a crash program to stockpile antibiotics in all major U.S. cities in case of such an attack.

The program never got funded! This is one reason why everyone should have or have access to high-quality Ionic Colloidal Silver, another being the high cost of prescription antibiotics, their lacking effectiveness and terrible side effects.

Colloids in biology and medicine by H. Beckhold

Colloidal Silver was one of the few substances on earth that was successfully used against anthrax and other plague-like pathogens in the early 1900s, prior to the advent of modern day antibiotics as verified by the book, *Colloids In Biology And Medicine*, pages 364 through 376.

According to researcher James South, M.A., as early as 1887 a number of researchers had discovered that silver—both in the liquid solution and as an airborne aerosol—was toxic to deadly anthrax spores. (Ref: N. Grier, *Silver and Its Compounds in Disinfection, Sterilization and Preservation*, S. Block ed., Philadelphia: Lea & Febiger, 1983, pp. 380-428; H. Beckhold, *Colloids in Biology and Medicine*, N.Y.: D. Van Nostrand, 1919, pp. 364-376; *Anti-Aging Bulletin*, International Anti-Aging Systems, Vol. 4, Issue 3, April-May, 1999, "Hi Yo Silver Away!" by James South, M.A.)

Today silver is used commonly by many of the major airlines to prevent bacterial contamination to the water supply. NASA uses a silver water purification system for the space shuttle. Silver is also used in thousands of spas and swimming pools around the country to kill the growth of harmful microbes.

Colloidal Silver has long been recognized by medical experts as one of the most potent antidotes on earth for food poisoning. Colloidal Silver easily killed e-coli food poisoning bacterium reported in 1928 by a researcher named Schweizer. In 1937 a researcher named Mallman confirmed that silver ions killed e-coli. In 1982 Dr. J. Cowlshaw again confirmed the effectiveness of Electrically Generated Colloidal Silver against e-coli and other micro-organisms associated with food poisoning.

No drug interaction with any other medicines or herbs

There has been no known silver/drug reaction, interaction of any kind. The allopathic prescription pharmaceuticals of today are no more likely to react with silver in the body than did the surprisingly powerful herbs from which they were developed and used for thousands of years, right along with the silver. The chemical nature of silver is such that inside the body it behaves as to form no compounds that are toxic, and when already in the colloidal and stabilized state is even further removed from any possibility of the tiniest of problems.

However, if you are allergic to silver, it is not recommended that you use Colloidal Silver. With references to the healing powers of Colloidal Silver, the American surgeon, Dr. William Steward Halsted wrote in 1913, after referring to the centuries old practice of placing silver in wounds, "I know nothing which could quite take its place, nor have I known anyone to abandon it, who had familiarized him or herself with the technique of its application. We may only have scratched the surface of silver's medical brilliance! Already it is an amazing tool. Silver stimulates bone-forming cells, cures the most stubborn infections of all kinds and stimulates healing in the skin and other soft tissues."

Germs don't become immune to silver

Dr. Bretano's published results in the journal, *Surgical Forum*, report that bacteria did not develop an immunity to the silver. Dr. Moyer's team is responsible for the development of the ultra fine, low dose, Electrically Generated Colloidal Silver (EGCS) being used today.

Eye infection stops in one day

In his book, Dr. Farber tells of a patient named Yvonne, who had a persistent eye infection. Her ophthalmologist gave her antibiotic eye drops, which would help for about two weeks, and then the infection would return again. After going through the routine several times, Yvonne visited Dr. Farber. He told her that it used to be standard practice to put a silver solution in a baby's eyes at birth to ward off eye infections. She began using the EGCS drops and within 24 hours the infection was gone and hasn't returned since.

Cystic acne

Dr. Farber also tells about a woman who suffered from cystic acne since she was 11. Dermatologists had given her many antibiotics and accutane, but nothing worked for very long. At 24 she was planning to get married and wanted to look good for her wedding. She visited Dr. Farber a month before the wedding and he gave her EGCS and within three weeks, the acne totally cleared up.

Virus attacks heart

Dr. Alex Duarte reported a personal experience in his newsletter, *Health Breakthroughs*. His daughter was in a near fatal accident that punctured her heart when she was 18. An artificial ring had to be put around one of the heart valves to save her. She knew that sometime in the future that she would have to undergo surgery to replace the ring. Years later, while waiting for surgery, her heart muscle was attacked by the Cocksackie virus. Doctors were able to subdue the virus and perform the surgery, but six months later her heart became reinfected with the virus. In the meantime, Dr. Duarte had learned about EGCS from Dr. Farber and administered EGCS to his daughter to ward off the virus. Within a month's time, she recovered and is healthier than ever before.

Nothing superior to silver

Charles Anderson, M.D., a Fellow of the American Academy of Family Practice and a member of the Alternative Health Advisory Board, said, "EGCS could save people a lot of discomfort and trips to their doctors because it can stop germs from proliferating in cuts and burns. Also, it can subdue coughs, runny noses and many other maladies. As a germ fighter, there is nothing superior to it. I highly recommend that everyone use EGCS when the occasion arises."

Livestock

By 1925 there were many dairy farms, cattle and sheep ranches that were quite large in size, and often infections or viruses wiped out an entire herd. The best weapon veterinarians had was Colloidal Silver, and was used extensively with excellent results.

Killed the most powerful bacteria

Dr. Carl Moyer, chairman of the Washington University Department of Surgery and his chief biochemists, Dr. L. Bretano and Dr. H. Margraf, received a federal grant in 1970 to find better treatment for burn victims.

Antiseptics created more severe problems due to their poisonous nature. Antibiotics worked only for awhile before the bacteria on the burnt skin developed an immunity to the drugs. Neither the antiseptic or the antibiotics killed the most powerful bacteria known, *Pseudomonas aeruginosa*.

Dr. Margraf, after reading some old medical research, decided to try Colloidal Silver. He found that just a tiny amount of silver killed the *Pseudomonas* bacteria and allowed the burnt tissue to heal!

Bolstered the immune system

Colloidal Silver not only killed viruses, bacteria and bacillus toxins, it also strengthened the immune system according to studies published in a 1916 issue of *Transactions of the American Association of Obstetricians and Gynecologists*. The author also reported that Colloidal Silver actually doubled the white blood cell counts—our bodies' major germ fighters!

Just the facts about Colloidal Silver

First of all, we must explain that basically, a colloid is a "suspension of one material in another!" Classical colloidal science deals with dispersions for which at least one dimension of a dispersed phase falls within about 1 and 1000 nm (0.001 to 1 micron). In applied colloid science, the upper size limit is commonly extended to at least 10,000 to 100,000 nm. (10 or 100 microns). In the case of Colloidal Silver, it is solid particles (of silver) in a liquid (water).

It is not, in fact, a suspension, as the definition of a suspension is particles larger than 1 micron (1,000 nanometers) while colloidal particles are defined as 1 nm to 1,000 nm and a solution (ions) is defined as particles less than 1 nm in diameter. An ion or atom of silver is about 1/4 nm diameter! One nm being a billionth of a meter or 1/1,000th of a micron (millionth of a meter)!

Thus the largest allowed particle of 1,000 nm would contain about 45,000,000,000 atoms or ions of silver (D cubed X pi/4)! Think of your Colloidal Silver (ionic) as silver bullets for shooting at an army of bacterium. Would you rather have one fat canon ball or 45 billion bullets? Yes, some hopeless hackers make "medicine" 45 billion times less effective than it can be! It is said that an ounce of 5 PPM ionic colloidal silver has over 1,000 trillion ions, which far exceeds our number of body cells! Thus a tablespoon of 5 PPM ionic is more than enough! The ideal, then, is to have as many ions as possible, since they could yield as many as 45 billion times more discrete particles, enhancing bio-activity from both quantity and size aspects! The more typical, large colloidal silver particle of 200 nm would contain 380 million ions or atoms! The very best Colloidal Silver will have over 99% ions but in practice most has far less, due to lack of understanding of what variables must be closely controlled to prevent formation of atoms, crystals or salts! Those that "salt" the water or "look for a cloud of ions" are doomed to producing

very few to no ions of silver and thus "a very, very weak medicine!" What is popularly referred to as Colloidal Silver is, in fact, usually a combination of ions (dissolved), atoms (colloidal), crystals (suspended but usually settle out) and salts of silver (rarely dissolved and usually settle out). Soluble silver salts, like silver nitrate, provide free ions of silver but also dangerous nitrate ions!

The best bio-availability is from the ionic form, with rapidly decreasing biological benefits from the other forms, the ionic form being 300 times more effective to 17,000 times more effective than many silver salts! Put another way, you would need a daily dose of 1 to 50 gallons of "poor quality" Cs to equal a tablespoon of 5 PPM ionic silver!

ION OF SILVER – an atom, missing one (most common, monovalent) or more electrons. It has distinctly different properties than metallic silver and is actually in solution, and thus not colloidal. Carries a positive, ionic electrical charge, being short one or more electrons and thus very bio-active.

ATOM OF SILVER – the smallest particle of silver and it has a negative surface charge in a colloidal state. This charge is like a static charge, which has minor biologic benefits.

CRYSTAL OF SILVER – many silver atoms chemically bonded together. They may have a negative surface charge in a colloidal state but are usually too large (will continue growing) and will settle out.

SALTS OF SILVER – chemically-bonded silver ions to other materials that were dissolved in the starting water. They are usually poorly soluble and thus form crystal growths and settle out.

nm – nanometer or billionth of a meter. 1/1,000 inch is roughly 25,000 nanometers!!

A popular measure of the existence of a colloid, such as Colloidal Silver (but not milk, which is also a colloid) is the Tyndal effect of "the dispersion of a light beam

shown through the liquid." A cloudy path of the light beam will be evident if there are colloidal particles in suspension! It is visible in colloids as weak as 0.1 PPM. Ions, the preferred form of silver, are NOT visible, even with a high-powered microscope!

A strong Tyndal effect is an indication of larger silver particles and thus less bio-availability, while a weak Tyndal effect indicates more ions of silver, assuming you are comparing the same PPM.

PPM, by the way, is a measure of "parts by weight," so it cares less if ionic, atomic, crystalline or salts of silver. Ion specific electrodes can measure the ionic particles only, while atomic absorption can measure them all. A centrifuge can separate out the particles of a colloid, leaving the dissolved ions.

The common measurement of solution conductivity, using low cost PPM meters, will measure only the charged particles. These will include Colloidal Silver particles (atoms or clusters of atoms), silver ions and dissolved salts (which disassociate into charged ions), but will not measure any crystals or non-charged atom clusters. The measurement is in microsiemens/centimeter and for Colloidal Silver converts at 1.6 uS/PPM. Ions are inherently produced, by well-controlled, low-voltage electrolysis, but when they reach the negative electrode, they gain an electron and become an atom of silver and/or join to others to make crystals of silver. These are weak crystal structures, like snowflakes, and may fall off the electrode if disturbed.

If current density (uamp/cm) is not controlled properly, there will be few ions stripped off the silver electrode and the disruptive energy will knock off mostly atoms or chunks (crystals) of silver. Further, if circulation is not used, a conducting string of ions/atoms will bridge between the electrodes and crystal growth will proceed in between the electrodes! This then leads to very high current density (point discharge of current), negating any current limiter (constant current) benefits!

The measure of the stability of a colloid is the zeta potential or particle charge! It is a negative surface charge, unlike the positive ionic charge (due to loss of an electron) of ionic silver. Since like charges repel, the particles stay separated for good stability. It is possible to have positively- and negatively-charged particles in a solution, just as salt disassociates into +sodium and -chloride ions. In the solvating action of water, ions are surrounded by micelle of water, greatly reducing their mobility!

In summation, the ionic (positively charged) form will have the highest bio-availability and bio-activity of any form of silver. It cannot be produced in high PPM due to the limited solubility of silver ions in water (metallic silver is not soluble in water but can be suspended in colloidal form). That is, when the saturation point is reached (about 15-20 PPM) precipitation will occur. Higher concentrations (to 500+ PPM) can be made if bound to protein, but the ions are surrounded and thus have their bio-activity masked, allowing mold growth on the protein surface.

The only real measure of quality of Cs is its effectiveness or bio-availability and bio-activity! Basically the particles must have a charge and be of minimal size! A perfect "colloid" would have no ions and would thus have very low bio-activity, as it is the missing electron of a silver ion that provides the "killing" power of so-called Colloidal Silver. Properly manufactured (ionic) "Colloidal Silver" can penetrate your tissues and kill off most viruses or bacteria or stop an immune system reaction from irritants like poison ivy or a burn!

References: Using statistics from the 1984 Harvard study, the National Safety Council and other sources, the Campaign to Protect Consumer Rights says that more people die in the United States from medical negligence than automobiles, falls, drownings, fires, choking, guns and poisons combined!!

Psoriasis and joint pain

Psoriasis is another skin disorder that doctors find most difficult to subdue because it just seems to come back regularly with annoying itching and scaly skin. A patient of Dr. Farber's named Susan from GlassPort, Pennsylvania, suffered from psoriasis and joint pain called fibromyalgia. Doctors has tried everything from antibiotics to methyltrexate (a form of chemotherapy) with no luck. In fact most of the drugs made Susan feel worse. After three months of using the EGCS, the joint pain was completely gone and 90% of her psoriasis symptoms had disappeared.

Asthma relieved

A lady named Patrice from West Milfin, Pennsylvania, read Dr. Farber's book and decided to try EGCS on her asthma problem. At the time, she was enrolled in a special program at the medical research center of University of Pittsburgh, where new asthma remedies were being tested. After two weeks of taking EGCS, her asthma symptoms cleared up. She called the university to cancel her involvement, and when the doctor asked her why, she told him about EGCS. He showed no interest in it and quickly excused himself from the phone call. Perhaps they were worried about losing their drug company grant for testing its medicines.

Utah Silver Institute

Today Colloidal Silver is rapidly gaining favor in the medical community, reflecting a kind of revival in the public health sector. Dr. Richard L. Davies, executive director of the Utah Silver Institute, which monitors silver technology in 37 countries, reported in 1978: "In four years, we have described 87 important new medical uses for silver. We are just beginning to see to what extent silver can relieve suffering and save lives."

People saved their children during the plague by making them suck on silver spoons

Silverware became popular almost 1900 years ago for health reasons. Physicians advised their wealthy patients to only eat with silver if they wanted to stay healthy. During the 14th century about 25% of the people in Europe died from the Bubonic Plague. Because so few of the wealthy died, silverware and silver pacifiers became popular. Silver pacifiers are still given to babies in many countries. In the United States people have forgotten that heritage and use plastic pacifiers today. If people are wise, they will return to using silver because babies are very susceptible to all kinds of bacteria, viruses and fungi.

The Helping America Company is a small family-run business dedicated to helping and improving people's lives by way of information and distributing the best Ionic Colloidal Silver in the world. We are working very hard to bring to you the highest-quality products at the lowest possible prices so all can afford the awesome health benefits of Ionic Colloidal Silver.

Gulf War Syndrome

One of Dr. Farber's most interesting cases was a man who worked for a private construction company in Kuwait during the Gulf War. Shortly after returning to the United States, he developed aching joints, insomnia, persistent high fevers, loss of balance and total lack of energy. He couldn't work and even the famous Mayo Clinic couldn't determine the cause of his affliction. He saw specialist after specialist, from heart to cancer but none could pinpoint the cause of his problems. Surgeons took out his gallbladder, then his spleen, nothing helped. Finally Jack heard about Dr. Farber and went to see him. The doctor put Jack on EGCS for eight weeks. Soon Jack was back working 10 hours a day six days a week like nothing had ever happened!

Farber Continued from page 1

had Dr. Farber's attention. Then he found doctors Moyer, Bretano and Margraf's research and development of EGCS. Dr. Farber immediately began taking EGCS and the results were nothing short of spectacular. Within a short time, tests at the Neurological Department of Parkland Hospital in Texas showed that the bacteria was no longer in his body!! Clinical research has since shown that LD bacteria simply hides from the antibiotics; however, recent testing at Fox Chase Cancer Center in Philadelphia proved that EGCS does destroy the LD bacteria.

Because EGCS literally saved his life, Dr. Farber has devoted the last few years experimenting with its powerful effects. He wrote a book entitled, *The Micro Silver Bullet*, and regularly treats patients at his Mountain Health Retreat in Colorado.

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- (2) Dr. Robert Becker, "The Body Electric and Cross Currents," recognized a correlation between low silver levels and sickness. He said the silver deficiency was responsible for the improper functioning of the immune system. Becker, R. & Selden, G. (1985). *The Body Electric: Electromagnetism and the Foundation of Life*. New York, NY: William Morrow.
- (3) Brentano, L. MD, Margraf, H. Monafio, W.W.MD and Moyer, C.A.MD Antibacterial Efficacy of a Colloidal Silver Complex. *Surgical Forum* Vol. 17, 1966, pp. 76-78. Also quoting, Dr. Harry Margraf.
- (4) Searle, A.B. The use of Colloids in Health and Disease. *The British Medical Journal*. Nov, 1913, p. 83. Dr. Henry Crookes. Colloidal Silver is proven particularly effective in cases of intestinal troubles. Dr. Henry Crookes found that silver in the colloidal state is highly germicidal, quite harmless to humans and absolutely non-toxic. Rather than in a chemical compound, the silver, in the colloidal state, may be applied in a much more concentrated form, with correspondingly better results. All fungus, virus, bacterium, streptococcus, staphylococcus, and other pathogenic organisms are killed in three of four minutes; in fact, there is no microbe tested that was not killed by Colloidal Silver in six minutes or less, using a dilution of as little as five parts per million, though there are no side effects whatsoever from high concentrations. "Use of Colloids in Health and Disease," quoted in "Report: Colloidal Silver," *Health Consciousness*, Vol. 15, No. 4.
- (5) *Science Digest*, March 1978. Quoting Jim Powell.
- (6) Thurman, R.B. and Gerba, C.P. (1989) The molecular mechanics of copper and silver ion disinfection of bacteria and viruses. Quoting Dr. Richard Davies, *The Silver Institute*, Wash., Vol. 18, 4, p. 295. "Silver, Our Mightiest Germ Fighter." *Science Digest*, March 1978. As an antibiotic, Colloidal Silver kills over 650 disease-causing organisms, and resistant strains fail to develop. Silver is the best all-around germ fighter we have and is absolutely non-toxic! Doctors report that, taken internally, it works against syphilis, cholera, malaria, diabetes and severe burns. *Bio Tech News* 1995 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."
- (7) "Colloidal Preparations of Silver in Pharmacy," *British Medical Journal*, February 1923: "Pure silver is entirely non-irritant. In tests at very high concentrations, it has been shown repeatedly that the rapidly-exerted disinfectant action is of considerable therapeutic value."
- (8) Dr. Bjorn Nordstrom, of the Karolinska Institute, Sweden, has used silver in his cancer treatment method. He says the whole thing is quite simple. This brought rapid remission in patients given up on by other doctors.
- (9) The FDA has stated that because Colloidal Silver is accepted as a pre-1938 medication, it may continue to be marketed. Letter, 13 September 1991, received from consumer safety officer, Harold Davis, U.S. Food and Drug Administration.
- (10) *Provo Herald*, 13 February 1992, page D1: "Colloidal Silver as a Remedy for AIDS."
- (11) American Drug Index Index, section on Inorganic Pharmaceutical Chemistry, recognized silver for its germicidal action, calling a stabilized form: Mild Silver Protein. There are several concentrations of Mild Silver Protein.
- (12) *The condensed Medical Dictionary*, 6th Edition: Mild Silver Protein is listed for medicinal use. The 4s protein-2 is the trace used as a stabilizer.
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- (16) *World Without Cancer* by G. Edward Griffin. History of allopathic medicine in America. The Cancer Control Society, 2043 N. Berendo, Los Angeles, CA 90027.
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- (32) Treatment of Orthopedic Infections with Electrically Generated Silver Ions. *The Journal of Bone and Joint Surgery*, American Volume, October, 1978. Vol. 60-A, No. 7.
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