

The
Handbook
of
Colloidal
Silver

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The Handbook of Colloidal Silver

History of Colloidal Silver

Silver is a powerful, natural antibiotic that has been used for thousands of years, with no harmful side effects ever having been observed.

Great Grandma put a silver dollar in the milk to keep it from spoiling as it sat on the back porch in summertime. Also it is well known that the ancient Greeks knew the medical value of silver. It was observed that those ancient families who ate from silver utensils rarely were sick and had few infections. This knowledge passed on to kings, emperors, sultans and their families and members of their royal courts. They ate from silver plates, drank from silver cups, used silver utensils and stored their food in silver containers. As a result of this use, silver was ever so slightly rubbed off and mixed in their foods. They received the full benefit from the silver particles which found their way into the body of these people, hence had little chance of getting any infectious illness.

These royals were called “Blue Bloods” because their skin had a blue tint, due to the accumulation of minute traces of pure metallic silver. The common red blooded folk, however, ate from earthenware dishes with iron utensils and frequently were sick, whilst the royals enjoyed the freedom from infectious disease as early as from birth.

There are many historical references on Colloidal Silver. One of the most complete is published in “The Lancet” dated December 12, 1914.

Common in America Prior to 1938

Colloidal Silver was in common use in America from the late 1800s until 1938. It was prescribed for a great variety of diseases and infections. There were none of today’s antibiotics available, and Colloidal Silver was used for just about everything. But Colloidal Silver was relatively expensive back then, just as today’s man made antibiotics are expensive.

Savings in Cost Today

Due to a recent breakthrough in the modernization of an original, pre-1983 method of production, a more concentrated product is available at a tremendous savings in cost. Not only is Colloidal Silver much cheaper than it used to be, it also is much cheaper than today’s antibiotics. Furthermore it is available without a prescription.

Current Medical Interest

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’re just beginning to see to what extent silver can relieve suffering and save lives.”

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Some contemporary references from which this information is drawn include Dr. Harry Margraf of the St. Louis University; Dr. Charles Fox of the Columbia University; Dr Carl Moyer, Dept. of Surgery at Washington University and the Literature of Dr. Robert Becker - author of "The Body Electric" and "Crosscurrents". Other references are from doing a search on the internet for Colloidal Silver.

Blue Bloods Today

There are true "Blue Bloods" yet today. All those who through the centuries had the knowledge and resources to use medicinal silver are still Blue Bloods. (Why give up something that works, is simple, cheap and so important to good health?) Many of the world leaders, presidents, prime ministers, their advisors and their families use daily Colloidal Silver. They know that they are exposed to extremely contagious diseases on an almost daily basis because they are in the business of traveling and meeting many people. By taking Colloidal Silver daily, they can prevent the otherwise certain eventuality of contracting infectious disease.

There is another group of people. These are people who may not have their pictures in newspapers for making global decisions, but they have learned that sufficient daily Colloidal Silver will make anyone resistant to diseases in about a week, preventing infection thereafter and vastly increasing the chances of surviving a severe burn injury or an outbreak of bio-toxins and also enjoying an increased rate of healing and better digestion. They can find no other way so simple, so quick, certain or so cheap.

Recommended Daily Amounts

Individual responses may vary from the average amount of Colloidal silver needed for optimal benefit for most people. About 17 per cent, or one sixth of the population will find maximum benefit from a less than recommended daily amount. And about another sixth will find they need to take more.

Determining the amount needed

Begin with the recommended amount of one tablespoonful 3 times a day for 3 days, then 1 teaspoon 3 times a day. Use half the recommended amount for young children and one-fourth for babies.

After taking one tablespoon of Colloidal Silver 3 times a day for three days, adults may cut back to one teaspoon 3 times daily (and proportionally, by body weight for children)

In the event a person begins taking Colloidal Silver while having a cold or flu or for any other virus, bacteria or fungus, the daily amount should begin with triple the dosage for three days, then follow the above regimen.

Some people will feel achy and sluggish on the third or fourth day after beginning Colloidal Silver daily. This is often called a "healing crisis".

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Healing crisis

This is a condition wherein the Colloidal Silver is killing the pathogens very rapidly. The body's five eliminatory systems, the kidney, liver, skin, bowel and lungs become temporarily overloaded in which case it is recommended to drink lots of extra water this will lessen the symptoms rapidly. Healing Crisis appears like flu like symptoms, aching muscles etc.

If a person, taking the daily amount, finds that he or she will still occasionally have an infection, one may even quadruple the RDD. There should be no danger of overdosing; however, very few people ever need four times the RDD.

Since prevention is the idea here, one may err on the side of safety by taking slightly more than a "perfect minimum" because one never knows when there may be a sudden major outbreak of some germ in such numbers so as to overwhelm the combined defenses of an immune system fortified with only a minimum level of Colloidal Silver. If an attack of germs happens to be stronger than the immediate combined defense level of the body's natural immune system plus a particular level of daily Colloidal Silver, one may feel some illness.

Applied Kinesiology

Applied Kinesiology is one other means of determining one's own individual need for Colloidal Silver, especially if the individual does not have a cold or other infection to begin with. Recheck from time to time, but always err on the side of excess. Kinesiology can be the most effective way to determine the optimum amount for infants, and very young children also.

Body Buildup And Elimination.

Five to seven days is average for the initial benefit of Colloidal Silver to begin. Colloidal Silver will build up in the tissues to at least a concentration of five parts per million (5 ppm) at, on the average, by the tenth day. This is the minimum effective concentration. Higher concentrations are desirable, due to the risks of illness from major exposure to a disease outbreak or major burn injury. One to three weeks after ceasing (again this varies with each individual) the Colloidal Silver effectiveness is finally lost and is eliminated through the kidneys, the lymphatic system and the bowel.

Colloidal Silver An Exceptional Antibiotic

Colloidal Silver is the only antibiotic known reportedly to kill all types of viruses, funguses and bacteria. Colloidal Silver is also the only antibiotic known to be perfectly harmless to all parts of the body. Whilst the liver and kidneys can be harmed by other antibiotics, Colloidal Silver promotes healing.

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Compare With Other Antibiotics

Colloidal Silver is non-toxic to mammals, reptiles, plants and all living things that are not of a one-celled structure.

One-cell life uses a different method of Oxygen metabolism. Herein lies its weakness. Since Colloidal Silver acts only as a catalyst, meaning, it influences a change in the rate, or occurrence or a reaction of one-celled organisms, but does not enter into any chemical reaction with the body tissues. The mere presence of Colloidal Silver near any virus, fungus or bacterium (one-celled disease causing pathogens) will immediately cripple their oxygen-metabolising enzyme, or chemical lung, which suffocates and dies usually within six minutes. The dead organism is subsequently cleared out of the body by the immune and lymphatic system.

Each of the other man made antibiotics will kill only five or six types of germs. Increasingly more and more bacteria are becoming resistant to these antibiotics. These bacterium are commonly referred to as Super Bugs, however they are unable to form a resistance to Colloidal Silver which will kill not only the bacteria, but also all forms of viruses, a feat no man-made antibiotic has managed to date! A further drawback of all other antibiotics is that they will destroy a variety of the body's essential enzymes, but Colloidal Silver doesn't, disable or harm in any way the different human body enzymes, as these enzymes are particularly different to the enzymes of single-celled life. Colloidal Silver actually promotes healing with less resulting scar tissue. No other antibiotic will do that.

No Drug Interaction With Any Other Medicines Or Herbs

There has never known to have been a silver/drug interaction of any kind, this means that you can use Colloidal Silver with any pharmaceuticals.

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 or years, right along with the silver. The chemical nature of silver is such that inside the body it behaves 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. Colloidal Silver simply does not react with anything in the body except germs.

Kills Resistant Pathogenic Strains

Disease organisms can become resistant to regular antibiotics, triggering dangerous super-infections. Conventional antibiotics are industrially developed from toxins manufactured by other bacteria for their own defenses - penicillin being a prime example. Disease organisms in the body respond to this cultivated toxin of the conventional antibiotic at about the same rate as they do to the original organism.

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This is a long enough time that a mutation can, and often occur which will make the organism immune to the particular antibiotic.

Colloidal Silver is claimed to work relatively fast - mostly within six minutes or less, upon contact within the body - that these disease causing pathogens have no time to mutate into a resistant strain as such a mutation requires far longer than the time silver needs to kill the pathogen. In fact to date no pathogen or strain thereof, has ever been known to mutate and develop resistance to silver in several thousand years of the use of this remarkable substance. To sum up no one celled organism will ever be able to develop immunity to silver.

How does Colloidal Silver Work?

Body tissues having 5 parts per million (5ppm) of Colloidal Silver will be free of virus, fungus, and bacterium. Silver particles are long lived in the body because they do not enter into a reaction, but act catalytically. A catalyst is best described as a substance that brings about, or causes a reaction or occurrence without itself participating or being consumed. The Colloidal Silver acts as a catalyst in disabling a particular enzyme, best described “chemical lung”, as it transfers oxygen and nutrients through the cell walls of the disease-causing organism. The organism suffocates! The mere proximity of silver will cripple the activity of the particular enzymes of tissue type cells.

Why is Colloidal Silver Non-Allergenic

There has been no allergenic reactions to silver reported in recorded history of the medicinal use of Colloidal Silver, because Colloidal Silver only affects the rate and occurrence of a pathogen's oxygen - metabolism activity as described in the foregoing section. However Colloidal Silver does not react chemically within the body. Over use of Colloidal Silver has only one effect, that is so called Argyria, which is the development of grey blue tinge of the fingernails and the skin. What happens here is simply that the body starts to store the excess silver in the tissue and collagen, which make up the major part of the finger nails. This condition however has no known detrimental effect and will disappear once the Colloidal Silver intake is reduced or discontinued for a while.

How Healing Is Accelerated

The accelerated healing benefit of Colloidal Silver was discovered by Robert O. Becker, MD and was reported in his book, “The Body Electric”. He and his research colleagues observed “a variety of cells which are primitive in appearance, looking just like the active cells in bone marrow of children. These cells grew fast, reproducing a diverse and surprising assortment of primitive cell forms including fully dedifferentiated cells and rounded fibroblasts. “Positive Silver” Becker states, “produces large numbers of dedifferentiated cells overcoming the main problem of mammalian regeneration. Positive Silver accelerates the healing process by over 50%.

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It is obvious that in the aggregate they profoundly stimulate soft tissue healing in a way unlike any known natural process". He further stated in his book, "Positive Silver kills all types of bacteria existing because no other single antibiotic worked uniformly against ALL types of bacteria. Positive Silver, he says, "offers several advantages over previous antibiotic substances. There are no ions beside silver to burden the tissues. It works against all kinds of bacteria simultaneously and even kills antibiotic resistant strains and fungus infections."

How Silver Works Against Fungus

A Fungus is a series of single cells having tiny tubes of material on the cell wall stretched between the cells. Whether more linear in its spread and expand mode or alternatively more like a fabric in its reproductive mode, a fungus still will exhibit that same characteristic of a one celled bacterium, namely that particular type of chemical lung which is immediately, completely and permanently disabled by the presence of Colloidal Silver.

Any fungus is killed within six minutes of contact with silver in the body.

The Colloidal Silver Simply Suffocates IT!

How Silver Works Against Viruses

A single virus will invade a living cell of body tissue, then this insidious pathogen will take over the nucleus of the cell and alter its re-productive mechanism to replicate the virus, instead of the enzyme, hormone or other chemical the cell would normally have produced for the body within that cell. Later, the newly produced virus will be released from that cell into the bloodstream. However another interesting process happens. As the virus affects the cell for its own purpose, part of the response of that living cell is that it reverts back to a more primitive cell structure and chemistry. The oxygen-metabolizing enzyme in the cell wall reverts to a more primitive form also. This more primitive form of enzyme is vulnerable to the affect of Colloidal Silver simply by being near the enzyme of this cell results in that enzyme becoming permanently disabled. It cannot function to bring oxygen into the cell that the virus "host" cell now dies. This process will take no more than six minutes and the body will dispose of it as it would any other of the millions of cells that end their usefulness each day.

Does Silver Work Against AIDS?

AIDS is caused by a particular type of virus attacking and destroying the body's immune system. Once that virus invaded a cell in the body, the cell will respond in exactly the same way as described before, reverting back to the primitive type structure and enzyme responsible to act as its chemical lung, which is promptly crippled by the mere presence of Colloidal Silver as stated before, the cell "suffocates" and dies thus denying the virus to replicate. The Colloidal Silver kills the mutated cell, virus and all! Colloidal Silver kills not only present types of viruses,

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but future forms of any viruses as well. YES, future! Because no matter how the virus mutates, it cannot influence and change the way living body cells will respond to its invasion. Colloidal Silver kills all viruses, precluding future mutations as it also kills the virus invaded cell within six minutes, and because of its catalytic nature Colloidal Silver is not affected in the reaction, continuing to kill other single celled pathogens nearby.

Does Silver Work Against Cancer?

The mutation of healthy cells into cancer cells occur continuously, even in healthy bodies. But such cancer cells are destroyed by the body's natural immune system at a rate about the same as they occur, when the body condition is stable, there is nothing manifest that a healthy person would experience as cancer. Some types of Cancer are reported to be caused by a virus. Like with any virus, upon invading a body tissue cell it will take over the cells reproductive chemical "factory" thereby forcing the cell to replicate the virus instead, the cell will revert to the "primitive" state thus enabling the Colloidal Silver to be effective and kill the cancerous cell.

A higher concentration of Colloidal Silver means more immediate contact with any virus or other pathogen.

Colloidal Silver As A Preventative

Colloidal Silver, as a preventative is unsurpassed. Sufficient Colloidal Silver taken daily precludes infection, disease, contagion and serious burn toxicity.

It Serves As A Second Immune System

Taking Colloidal Silver daily is like having a second immune system. It lessens the load on the body's natural immune system and effectively kills the many bugs present throughout the body. In addition, it lessens the toxicity due to the average amount of germ, virus and fungus activity that occurs naturally in the body. However, tests prove that, due to the high absorption of silver in the small intestine, the friendly bacteria in the large intestine are not affected. The second immune system acts parallel to, and independent of the body's own first in line defense - a major advantage in warding off outbreaks on influenza or any germ plague or pestilence.

It Helps In Severe Burn Cases

To take sufficient daily Colloidal Silver is to have protection already in place in advance of serious burn toxicity. Really severe burn cases, such as from a house fire or car wreck, are more survivable if one has taken sufficient daily Colloidal Silver in advance of a possible catastrophe. Often people who first survive such injuries, later die if the complications occurring about a week after the injury when several body systems become overloaded. Colloidal Silver very definitely helps in these cases. With reference to the healing powers of Colloidal Silver, the American Surgeon, Dr.

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William Stewart Halstead wrote in 1913, after referring to the centuries old practice of placing silver wire in wounds. I know nothing which could quite take its place, nor, have I known anyone to abandon it who has thoroughly familiarized himself with the technique of its application. We may only have scratched the surface of silver's medical brilliance! Already it is an amazing tool! It stimulates bone - forming cells, cures the most stubborn infections of all kinds...and stimulates healing in skin and other soft tissues.

Prevention! Prevention! Prevention!

As a preventative, Colloidal Silver is a most effective disease fighter! Taken in truly sufficient amounts, it precludes infection. A blue tinge to the capillary blood (some people even go so far as to have a trace of gray or blue tinge in their skin) renders one invulnerable to infection. Admittedly to achieve this quite a bit of Colloidal Silver has to be taken, but the effects are quite long lasting.

Other Established Uses Of Colloidal Silver

An amazing. Yet still only partial list of more than 650 diseases that Colloidal Silver has been used against include (in alphabetical order):

Acne, Acne Rosacea, Anthrax Bacilli, allergies, appendicitis, arthritis and athletes foot; bladder infection, blood parasites (causes gray hair), blood poisoning, boils, bubonic plagues and burns; cancer, candida (yeast infections), canine parvovirus, chilblains, cholera, chronic fatigue, colitis, conjunctivitis and cystitis; dandruff, dermatitis, diabetes, diphtheria, and dysentery; eczema and encephalitis; fibrositis; gastritis and gonorrhea; hayfever, hepatitis, and herpes virus; impetigo, influenza and indigestion; keratitis; leprosy, leukemia, lupus, lymphagitis and lyme disease; malaria and meningitis.

Also, neurasthenia; parasitic infection, pleurisy, pneumonia, prostate infection, pruritis ani, psoriasis and purulent ophthalmia; rheumatism, rhinitis, rosacea and ringworm; scarlet fever, septic conditions (eyes, ears, mouth and throat), seborrhea, septicemia, shingles, skin cancer, staph and strep infections, stomach flu and syphilis; thrush (yeast infection), thyroid infections, tonsillitis, toxemia, trachoma, trench foot and tuberculosis; ulcerated stomach; virus (all forms); warts and whooping cough and yeast infection (females).

A Few Unique Plus Traditional Uses For Silver Colloid by Dr. Robert C. Beck

You can use most tap water to make colloid for industrial and external uses and distilled or pure bottled water for internal applications.

- Add to suspected drinking water when traveling or camping. 1 teaspoon per 4 litres, shake well, wait six minutes, and shake again, wait six minutes and drink.
- Colloid sprayed on burns heal rapidly without scarring.
- Mix in juices or other drinks at meal time as a great digestive aid.

For Researchers and for Personal Research Purposes Only!

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- Safely sterilize anything from toothbrushes to surgical instruments.
- Use topically on cuts, wounds, abrasions, rashes, sunburn, razor nicks, bandages.
- Spray on garbage to prevent decay odours.
- Colloidal Silver is painless on cuts, abrasions, in open wounds, in the nostrils for a stuffy nose, and even in a baby's eyes, because, unlike antiseptics, it does not destroy tissue cells.
- Mist kitchen sponges, towels, cutting boards to eliminate E.Coli and salmonella bacteria to prevent food poisoning, gastrointestinal inflammation, and genital tract infections.
- Add when canning, preserving, bottling.
- Use like peroxide on zits and acne.
- Add to juices.
- Milk will delay spoiling, fermenting, deteriorating, clabbering or curdling.
- Spray in shoes, between toes, between legs to stop most skin itch, athlete's foot, fungi, jock itch.
- Diminish dandruff, psoriasis, skin rashes, etc.
- Add to bath water, gargle, douches, colon irrigations, nasal spray and dental water-pic solutions.
- Cuts downtime dramatically with colds, flu, pneumonia, staph, strep, respiratory infections and rhino-viruses.
- Skin itch, eye and ear infections, some moles and warts vanish when Colloidal Silver is sprayed on body after bathing.
- Use with a cotton tip on fingernail, toenail and ear fungi.
- Neutralize tooth decay and bad breath.
- Colloid stops halitosis by eliminating bacteria deep in throat and on back of tongue.
- Unlike pharmaceutical antibiotics, silver colloid never permits strain-resistant pathogens to evolve.
- Put a few drops on band-aids and bandages to shorten healing times.
- Health professionals might consider IV and IM injections.
- Tumor and polyp shrinking is reported when masses are injected directly (when colloid is added to sterile physiological saline or Ringer's Solution which contains ~9000 ppm sodium chloride.)
- Toothaches, mouth sores, bacterial irritations are diminished.
- Soak dentures.
- Spray refrigerator, freezer and food storage bin interiors.
- Stop mildew and wood rot.
- Mix in postage stamp, envelope, and tape moistening wells, paint and paste pots to prevent bacterial growth, odours, spoiling or souring.
- Add to water based paints and wallpaper paste to stop mould.
- Use in dishwasher, cleaning and mopping solutions.
- Spray pet bedding and let dry.

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- Spray on top of contents of opened jam, jelly and condiment containers and inside lids before replacing.
- Mix a little in pet water, birdbaths, cut flower vases.
- Spray air conditioner filters after cleaning.
- Swab air ducts and vents to prevent breeding sites for germs.
- Use routinely in laundry final rinse water and always before packing away seasonal clothes.
- Damp clothes or towels and washcloths will not sour or mildew.
- Eliminate unwanted micro-organisms in planter soils and hydroponics systems.
- Spray plant foliage to stop fungi, moulds, rot and most plant diseases.
- Treat pools, fountains, humidifiers, hot tubs, baths, dishwashers, gymnasium foot dips and bath and shower mats.
- Spray inside shoes, watch-bands and gloves and under fingernails periodically.
- Treat shower stalls, tubs, fonts, animal watering troughs.
- Spray shavers to avoid trading germs.
- Rinse fruit and vegetables before storing or using.
- Put in cooking water.
- Human and animal shampoos become disinfectants.
- Prevent carpets, drapes, wallpaper from mildewing.
- Wipe telephone mouthpieces, headphones, hearing aids, eyeglass frames, hairbrushes, combs, loofas.
- Excellent for diapers and diaper rash.
- Do toilet seats, bowls, tile floors, sinks, urinals and door-knobs.
- Kills persistent odours.
- Put a few drops on a small Band-aid and wear over warts, cuts, abrasions, or any open sore.
- Dab directly onto eczema or such itchy areas, mosquito bites or any skin problem.
- Rinse invalid pillowcases, sheets, towels and bedclothes.

There are literally thousands of other essential uses for this ridiculously inexpensive, odourless, tasteless, colourless, totally benign and easily produced powerful non-toxic disinfectant and healing agent. You'll find that a spray or misting bottle of Silver Colloid solution may be the most useful health enhancement tool in your environment.

Recommendations For Skin Problems

While Colloidal Silver is used as a preventative against viruses, bacteria and funguses through daily oral use, Colloidal Silver has been also applied directly to open wounds and sores to eliminate surface infections. Apart from its beneficial effect Colloidal Silver does not sting or burn.

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Other antiseptics sting when applied to a wound because they are killing the surrounding tissue cells as well as killing the germs. But whilst Colloidal Silver kills the topical germs within six minutes, it does not harm any surrounding tissues.

Acne: In addition to omitting sugars, fats and chocolate from the diet, any person with acne should wash and rinse the face thoroughly four times a day; and after each rinsing, use a small amount of Colloidal Silver and massage it onto the problem areas two or three times with a finger or a tiny piece of cotton or tissue. This wash-rinse-massage activity may be continued throughout an acne breakout, or better, as a continuous prevention through the teen years. This continuous habit precludes breakouts, leaving the skin continuously clear. Most people find it helpful to carry a 50ml or 200ml bottle of Colloidal Silver with them for availability throughout the day.

Cuts and abrasions: Apply Colloidal Silver directly to the open wound and onto any dressing used. Colloidal Silver may be used as the only medication on the dressing, or it may be used with another medication.

Eczema and skin rash: Dab Colloidal Silver directly onto affected area, rubbing slightly. Repeat often to keep the area moist. Bandage lightly, if desired, keeping the bandage moist with Colloidal Silver. Change bandage daily.

Warts: cover the wart with a small adhesive bandage saturated with a few drops of Colloidal Silver. Keep the bandage moist. The wart should disappear within a few days. Large warts may take a few days longer to disappear.

Recommendation For Intestinal Problems

Optimum digestion: Put all, or a fraction of the recommended daily amount of Colloidal Silver, as determined by titration, into the beverage of choice accompanying any meal. As the food is digested, the presence of Colloidal Silver will keep the food from putrefying in the digestive track, killing any germs ingested with the food, and leaving the food more useable. Also there will be **no flatulence**.

Parasitic infections: To take an amount of Colloidal Silver, again as determined by titration to preclude parasitic diseases caused by tiny, worm like animals that burrow through a particular organ, or in some cases throughout the entire body. In every case, these parasites reproduce by laying eggs and these eggs have the same characteristics of the oxygen-metabolising enzyme as the single celled bacterium. These eggs cannot hatch when there is sufficient Colloidal Silver in the surrounding body tissue. They are killed within a short time and subsequently eliminated by the immune system.

Diarrhea diseases: A number of diseases such as cholera, canine parvovirus or other diseases, where the pathogen resides mainly in the large intestine, can be fatal. The fatality is mostly due to the dehydration of the body resulting from severe and prolonged diarrhea and vomiting. The pathogen causing the problem is active in the large intestine the one place where Colloidal Silver when used correctly will not penetrate.

There are two different methods to overcome this barrier.

The first is to take a 200 ml glass dosed with Colloidal Silver together with three or four big glasses of water on an empty stomach. This way the Colloidal Silver will get into the large intestine and should within a short time take care of the problem.

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The other method is by way of colonic irrigation the dose rate using a 50mg. Colloidal Silver preparation is 15ml per 200ml. of sterile water. This method infact brings the fastest relief from the disease, Medical literature reports that Cholera has been cured with Colloidal Silver.

Recommendation For Purifying Food & Water

Water purification: Colloidal Silver is an excellent water purifier. Water stored with one or two tablespoons of Colloidal Silver per every 5 litres of water. The Silver whilst purifying the water is also beneficial to the body, unlike the commercial tablets containing toxic chlorine bleach!

To guard against such water-borne diseases such as dysentery, the following airlines now use either silver water filters or a well-known Hydrogen Peroxide/Colloidal Silver combination. British Airways, Swiss Air, Scandinavian Airlines, Lufthansa, Air France, Canadian Pacific Airlines, Alitalia, KLM, Japan Airlines and Pan Am. The Swiss and Australian Government has approved either or both the silver water filters or the Hydrogen Peroxide/Colloidal Silver preparation which are now used in homes offices and town water supplies.

After testing 23 methods of purifying water, NASA selected a silver system for its space shuttle.

Home-canned foods: One-half teaspoon of Colloidal Silver per 1 litre in home-canned foods precludes the growth of all bacteria, viruses and fungus. As the food is consumed, the presence of silver will aid in the digestion process by not allowing fermentation of starches contained in the food, and will prevent the putrefaction of protein or rancification of fats in the digestive track. Neither will there be a formation of gas in the bowel, nor food decay from toxins to diminish a sense of well being. Most commercial food processing operations to date have elected to use preservatives which, unlike Colloidal Silver, are toxic and poisonous to people. Were these commercial food processors to use Colloidal Silver instead, it would yield the triple benefit mentioned above.

Questionable refrigeration: In addition to keeping prepared foods cool and well sealed, add about one table spoon of Colloidal Silver per 1 litre (volume) to picnic foods containing mayonnaise, dairy products, or anything that has a potential for Salmonella growth and poisoning. Stir in very well.

Leftovers and Condiments: Mix about one quarter tablespoon of Colloidal Silver into each container of mustard, ketchup or pickle relish. Mix one half teaspoon into items that spoil more easily, i.e. mayonnaise, milk etc.

They will store longer, remain fresher and benefit digestion.

Veterinary Uses Of Colloidal Silver

- Colloidal silver can clear up cases of ulcerative and infective skin conditions due to flea infestations, mange, dermatitis, etc.
- Any eye or ear infections, cuts, would, bites, scratches and bites from tics.

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- It has been proven effective against canine parvo virus, feline leukemia, and ringworm.
- Putting a small amount of colloidal silver in your pets water not only will keep it clean but will also be very beneficial to your pets health.
- Be sure their drinking dish is glass and not plastic.
- Use on all animals, birds and fish.
- Bacteria and parasites in house pets, farm animals and birds.
- Revival of belly-up goldfish and
- Scours and undulant fever in cattle.
- Mastitis in cattle.

Japanese Firms Fight Air Pollution

Silver can fight deadly poisons also. Japanese firms have announced the following that use silver to purify air:

One company converts 50 parts per million of carbon monoxide into harmless carbon dioxide by passing the gas through a stack of screens coated with silver compounds. Another uses silver compounds to remove vinyl cyanide, methyl cyanide and hydrocyanic acid from its discharges. Finally a gas chemical company removes all the 200 parts per million of nitric oxide by passing the gas through its silver compounds.

Understanding The Colloidal State

Most chemistry text books have a chapter on the colloidal state, as if it were a special case. Actually, the colloidal state is the only state for all living things. Within fluid water, the chemical elements of life occur in a flux of halves, or opposite electrical pairs, always in motion and swapping these molecular halves in complex chemical reactions that are the process of growth and repair. In this flux of the body's fluids are the germ pathogens also, whose own molecular pairs interact with those of the body as they strive to survive. They are all parasites that attack and eat the body cells of the host person, dumping their waste into the surrounding tissues and the bloodstream. When this fluid flux contains an electrically charged ion or micro-particle of Colloidal Silver, it selects from among the tissue cells of the body only those disease causing pathogens and suffocates them catalytically, simply by being there; then, unaffected drift on, to repeat the process again and again.

The crystalline state is the condition of dry, dead matter. Most medications are in the crystallized state. The body must first convert them to the colloidal state before they can be used. There is some expense to the body in time, energy and effectiveness. During this process some molecular pieces are left over, which burden the body with their need to be eliminated. In the case of Colloidal Silver, nothing is left!

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Characteristics Of Colloidal Silver

Colloidal Silver will react chemically with many of the 92 natural elements and compounds. While many of these compounds are toxic, pure silver is non-toxic. It acts only catalytically with the enzyme, or chemical lung of single-celled organisms. Pure Silver won't dissolve in water, however if pure silver is by some process divided into single atoms or micro-clusters of fewer than 15 atoms each. Given a positive electrical charge and attached to a molecule of simple protein, it will float in and throughout the pure water indefinitely, creating a "colloidal suspension". The force of electrical charge is stronger than the force of gravity, thus the particle remains suspended. Much has been written and claimed by people displaying a fair amount of ignorance of the workings of a colloidal substance mainly with regard to the color of colloidal silver. True colloidal silver is a colorless liquid because the micro-clusters of the silver are simply too small for light to reflect back to the human eye (the particular wave length of the reflected light determines the color we perceive) Many manufacturers not being able to make a true colloidal silver preparation resort to using food or other coloring agents to give the liquid a yellow appearance because they somewhere have read that colloidal silver should have a color to its liquid. Color will be noticed if one of the following conditions is present:

*The Silver used is of a silver sulfide type and not very healthy (yellow, mainly used in the ceramic industry)

*The Silver used is Silver Oxide (brownish, black in color)

*The particles are too big in size

*Food or other coloring dyes were used

*If the silver loses its colloidal state and precipitate out of solution (mainly black) in this case the product will have lost its efficacy and should be disposed of as contrary to some advise to shake the bottle will not revert the silver particles to a colloidal state.

People are best advised to stay clear of these products as they are in many cases of dubious quality and most certainly have little or no beneficial effect.

To make your own, fresh Colloidal Silver daily is the best choice to make.

Care And Storage Of Colloidal Silver

Store Colloidal Silver in tinted glass containers only and keep away from electrical appliances. Although glass breaks easier, glass is the only material that will keep Colloidal Silver for any length of time. DO NOT accept Colloidal Silver packaged in plastic as its shelf life is minimal and the silver particles most likely will plate out on the surface and hence are no longer in suspension. There is an inherent electric charge in the hydrocarbon molecule that will draw the charged silver particle out of solution, bonding it to the side-wall of the plastic container! You may not see it but it's there alright. The preparation is then unusable.

Do not store Colloidal Silver in a refrigerator or freezer, as the long-term electric charge of the appliance can have the same effect on colloidal silver as does storing it in a plastic container.

Medical Studies And Other Testing

Colloidal Silver and illness: The author of “body Electric” Dr. R. Becker, noted in his studies a correlation between low silver levels and illness: Those who had low silver levels were frequently sick more often with colds, flu, fever and other illnesses. He said he believes a silver deficiency is the reason for the improper functioning of the immune system and that silver is critical for the destruction of bacteria and viruses. Becker’s experiments conclude that silver works on a wide range of bacteria without any side effects and without any damage to the cells of the body.

Colloidal Silver and healing: Becker also states that the silver ion was doing something more than just killing disease-causing organisms. It was, he observed, facilitating major growth stimulation of injured tissues. When human fibroblast cells, which are common throughout the body, were exposed to silver, they differentiated. That is, they changed into an embryonic general cell, able to multiply at a great rate and then changed into the specialized cells of the organ or tissue that had been injured. Even in patients over the age of 50 years, tissues healed as easily as a child’s tissues.

Colloidal State and Cancer: Again Becker concluded that in the presence of silver ion, cancer cells change back to normal cells regardless of their location in the body. He concluded that the presence of silver ion regenerates tissues and eliminates cancerous cells as well as eliminating other abnormal cells.

Capitol Drugs pharmacist - Ron Barnes, R.Ph, states, “Many strains of pathogenic microbes-viruses, fungi, bacteria or any other single-celled pathogen-resistant to other antibiotics are killed on contact by Colloidal Silver, and are unable to mutate. However, it does not harm tissue-cell enzymes and friendly bacteria.

Dr. Bjorn Nordstorm 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.

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

Newsweek Magazine, March 28, 1994, “In 1992, 13,300 USA hospital patients died of infections that resisted every drug doctors tried.”

Dr. Evan M., 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 - (topical) - 24 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 a great adjunct to our Candida albicans, Epstein Barr Virus and Chronic Fatigue Syndrome protocols.”

Science Digest, March 1978. “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.”

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Swimming pool water purification: Silver is widely used to purify swimming pool water, and it does not sting as does chlorine. A dramatic demonstration in Nebraska recently placed 250 litres of raw sewage into a pool containing no disinfectant. A standard measure of fecal contamination is the count of Escheri coli (E. coli) and organism found in the human intestinal tract. The count soared to 7000 colony forming E coli cells per millilitre of water. Subsequently the water was flushed through a silver electrode array, which totally eliminated the E. coli within three hours. Follow-up tests also shown the water to be completely free of other one-celled organisms.

Hydroponics testing: Tests in a hydroponics greenhouse showed that Colloidal Silver is absorbed and used by the living plant as are any other minerals. Hydroponics is an ideal gardening method having only one problem: Viruses, funguses and bacteria tend to thrive in the plant nutrient fluid. Colloidal Silver is proven to kill every one of the pathogens, and without any consequence to the nutrient medium or to the delicate plants. In addition, the plants ingested the silver through the roots, thus becoming a source of the silver minerals for human consumption.

Overdose testing: In laboratory tests since 1985 researchers knew that overdose testing needed to be performed. One lab technician involved in the project from the beginning, volunteered himself as a guinea pig for the first project. He consumed 1 litre of water dosed with a high concentration of Colloidal Silver for a period of several weeks. The chemistry of his body fluids was monitored, as was his general well being (colds flu headaches etc.). He was especially observed for any change in skin color to see if the technicians skin would develop a grey pallor of argyria. He had no change of color in his skin, felt more vigorous and alert and experienced no aches or colds etc. Others in the laboratory repeated the test themselves finding the same results. It seems that to overdose on Colloidal Silver is about the same as to overdose on Water.

UCLA ran some tests on Colloidal Silver and their report states: “Silver solutions were antibacterial for concentrations of 10 organisms per ml of Steptococcus pyogenes, Staphylococcus aureus, Neisseria gonorrhoea, Gardnerella Vaginalis, Salmonella typhi, and other enteric pathogens, and fungicidal for Candida albicans, Candida globate, and M. furfur.”

Silver is used in all major burns centers in the United States.

FDA Statements about Colloidal Silver: Written advise dated Sept.19, 1991 by the FDA consumers safety officer Harol Davis states, that Colloidal Silver considered a pre 1938 drug, may continue to be marketed without submitted evidence of safety and effectiveness (required of all prescription drugs after 1938) as long as they are advised and labeled for the use as in or before 1938.

The Environmental Protection Agency’s Poison Control Center reports a NO TOXICITY LISTING FOR COLLOIDAL SILVER, considering it harmless in any concentration.

“Report: Colloidal Silver, Health Consciousness, Vol.15, No.4” states, “Silver aids the developing fetus in growth, health, and eases the delivery and recovery.”

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Adriane Fugh-Berman, MD, “Medical malpractice alone kills an estimated 45,000 people annually (in the US) making it the leading cause of accidental injury and death.”

The Sydney Morning Herald, 6/2/95 and The New Scientist, 6/10/95, “As many as 14,000 people die in Australian Hospitals every year through preventable mistakes, ranging from misdiagnosis to being given the wrong drugs. This makes hospitals the third largest killer in Australia after heart disease and cancer. For those who survive, between 25,000 and 30,000 patients are left with a serious and permanent disability as a result of such mistakers.”

How to use a Colloidal Silver Generator

ONLY USE DISTILLED WATER!

With 8 ounces of distilled water and 4 inches of silver wire (99.99% pure silver) in the water, this method should produce about 1 part per million of silver colloid per 5 minutes of current flow. 7 to 10 parts per million is considered normal. Higher concentrations are not harmful, but un-necessary. At around 10ppm, the water should be getting a slight yellow tinge.

All of the above assumes that the water is at room temperature. The production rate is much quicker in hot water. The way that we make our Colloidal silver is to first boil 8 ounces of distilled water in a non-metal saucepan, pour into a glass and process with the generator for around 20 - 40 minutes. This usually produces a colloidal silver of around 7 to 12 ppm and may be either clear or a very slight yellow tinge.

Clean electrode wires after each use to remove dark oxide occurring on anode because of oxygen (produced electrolytically) oxidizes silver. Use a small piece of ¼ inch thick nylon scotch brite kitchen scouring pad to polish dried silver, then wipe with a paper towel to make ready for the next use.

Glossary

Argyria or Argyrosis: A condition of skin having a gray blue pallor caused by excess silver being stored in the skin.

Bacteria: Morphologically simplest group of organisms of various species concerned in fermentation, putrefaction and the production of disease.

Collagen: The protein contained in connective tissue and bones and finger nails.

Colloidal state: A system of particles in a dispersion medium in which the particle diameters are between 10^7 and 10^9 m, i.e. between true molecular solution and a coarse suspension.

Enzyme: A protein capable of catalysing a chemical reaction necessary of the cell.

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Fibroblast: Is the nucleus cell responsible to manufacture the cells and enzymes of the body's immune system.

Lymphatic System: Are vessels within our body conveying the so called lymph, a clear to yellow slightly alkaline fluid derived from the tissue of the body (primary part of the body's sanitation system.)

Silver: Ag precious metal one of the earliest known metals contained in earth's crust at a concentration of 0.1ppm and in seawater at 0.01ppm.

Virus: Infective disease agent, smaller than a micro-organism and requiring living cells for multiplication.

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