



Sassanian Dirham of King Chosroes II

93.5% Sterling Silver Persian Coin - 1400 years old

The Colloidal Silver Guidebook

A Concise Guide to the Miracles of Silver for Health

Brought to you by:

Nutrición del Milenio

Magical Mind

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I. The Urgent Need for [Colloidal Silver](#) in a Time of *Antibiotic Resistant Super-bugs*

"It is impossible for single-celled germs to mutate into silver-resistant forms, as happens with conventional antibiotics. Also, colloidal silver cannot interact or interfere with other medicines being taken. Colloidal silver is truly a safe, natural remedy for many of mankind's ills. Colloidal silver can be taken indefinitely because the body does not develop a tolerance to it."

<http://www.natures-response.com/newsletters/newsletter/637340/2565.htm>

How Antibiotics Came Into Widespread Use Leading Unto UN-Controllable Bacteria- "Superbugs"

"A new paper in the February 17th edition of the journal *Molecular Cell* describes how exposure to low levels of antibiotics increases mutations in E. coli and Staphylococcus bacteria hundreds of times more than normal, making the creation of drug-resistant strains more likely." [Medical News Today](#)

Layman's simple translation: scientists have proven that antibiotics are now causing disease producing bacteria to automatically mutate and become **100's of times more deadly.** _

According to another new study, sepsis* and pneumonia, two antibiotic resistant common conditions caused by hospital-acquired infections like MRSA ("methicillin-

resistant staphylococcus aureus”), killed 48,000 Americans in 2006, and cost the nation over 8 billion dollars to treat.

Worldwide, a new drug-resistant strain of tuberculosis is causing great concern, particularly as the disease is making an epidemic resurgence.

[*"Sepsis", a condition where the whole body goes into a state of inflammatory response, and pneumonia. An infection of the lungs and respiratory tract, are two conditions often caused by deadly microbes, including resistant bacteria such as MRSA. Such infections usually lead to longer stays in hospital and often lead to serious complications and even death.]



"The Natural Antibiotic Alternative"

Colloidal Silver

The only "antibiotic" known reportedly to kill all types of viruses, fungi and bacteria.

Colloidal Silver

The only "antibiotic" known to be perfectly harmless to all parts of the body. r antibiotics,

Colloidal Silver

promotes **accelerated healing!**

An "antibiotic" is a manmade chemical drug produced by pitting one organism that is destructive against another. The word ("antibiotic") came from the "antibiosis", a term coined in 1889 by Louis Pasteur's pupil Paul Vuillemin, which means a process by which life could be used to destroy life. The word "antibiotic" is originally German literally translated as "against life" (*anti*, "against"; *bios*, "life").

While the discovery of antibiotics made originally from molds was made from other bacteria and their widespread use may have "improved" the quality of human life in the 20th Century, the current situation in the 21st is a completely different story!

Penicillin was the first antibiotic, discovered by Alexander Fleming in 1929. It was in the early 1940's that large scale fermentation processes were developed for the mass production of antibiotics. In the early years, new antibiotics were developed faster than bacteria developed resistance to them. But the bacteria caught up to them fast. In the 1950s and 60s, many new classes of antibiotics were developed. However, by the 1980s and 1990s, scientists had only managed to make improvements within classes of existing drugs, in other words, no new antibiotics were developed.

There are now low-grade hospital germs that are resistant to all antibiotics. Hospitals are not the only breeding ground for these "superbugs", also nursing communities and other medical venues as well.

Antibiotic resistance occurs when some bacteria survive attack by the antibacterial drug and change in such a way that they are, "no longer affected by the drug's action".

Following World War II (1939–45), drug companies in the United States conducted worldwide searches to find molds and soil bacteria that could be synthesized (made in a lab) into antibiotics. Aureomycin (pronounced aw-ree-oh-MY-sin), the first of the class of antibiotics known as tetracyclines (pronounced teh-truh-SY-kleenz), was discovered in 1945. Another group, the cephalosporins (pronounced seff-uh-low-SPOR-inz), came from a bacteria group living in a drainage pipe on the Italian coast. The antibiotics in this group have effects similar to those of penicillin. Erythromycin (pronounced uh-ree-throw-MY-sin), made from soil bacteria found in the Philippines, is used in patients allergic to penicillin as well as to fight penicillin-resistant bacteria. Bacitracin (pronounced bass-uh-TRAY-sin); an antibiotic made from bacteria, was developed in 1945 and is used as an ointment that is applied directly to the skin. (Source: [Science Clarified](#))

The major categories of antibiotics include the so-called "Sin" drugs:

- streptomycin (pronounced *streo-to-My-sin*)
- neomycin (pronounced *ne-oh-MY-sin*)
- kanamycin (pronounced *kan-uh-MY-sin*)
- gentamicin (pronounced *jen-tuh-MY-sin*)
- aureomycin (pronounced aw-ree-oh-MY-sin)
- erythromycin (pronounced uh-ree-throw-MY-sin)
- bacitracin (pronounced bass-uh-TRAY-sin)

"Prescribing antibiotic drugs when they are not needed, not taking the drugs as prescribed, and using the drugs for long periods of time all contribute to the development of resistant strains of bacteria."

(Source: [Science Clarified](#))

"Patients may have to try several treatments to see which works and they may have to stay in hospital longer as a result (Note: 11 extra days in hospital and an additional infection treatment cost of 33,000 dollars per patient in the USA). However, the most alarming finding was that nearly 20 per cent of people who developed sepsis following surgery died as a result of the infection.

"In some cases, relatively healthy people check into the hospital for routine surgery. They develop sepsis because of a lapse in infection control - and they can die. Moreover, alternative drugs may be more expensive and have greater side effects." (Source: [BBC News](#))

"...for many years antibiotics seemed to be winning the war on disease. As time went on, doctors noticed that some germs were not being killed. Some types of bacteria were no longer being affected by antibiotics that used to kill them."

(Source: [What is the History](#))

The natural question you may now have is, "Why are antibiotics being so misused by the medical communities?"

One reason is that their use is immediately "profitable", in the short term by the distributors. There is an immediate profit associated with the use of **antibiotics** within biological industries (such as livestock, agriculture and aquaculture). This profit is due to fewer deaths from infection and higher growth rates when sub-therapeutic doses of antibiotics are administered. However, in the long term, there will (no doubt) likely be more deaths from infection as microbes evolve to become resistant to the antibiotics currently in use and then enter human bodies to contaminate them through meat consumption.

Another reason is that multinational corporations (such as big pharmaceutical producers) recommend and promote the use tons of them, owing no allegiance to the local communities (often poor, Third World agricultural counties). They care less and in some cases the populations are not knowledgeable and are being targeting by those corporations creating these genocidal "superbugs" via antibiotics (See: [Bill Gates Story on vaccines, Magical Mind Health News](#))

This global pandemic of **antibiotic resistance** affects all humanity, especially when there is little or no incentive for one group to give up immediate profits of antibiotic

usage. Everyone must be willing to do so at the same time or there will be only a continuation and increase of the problem.

The regulatory environment within the USA has only made the problem worse:

In October 1996, the United States FDA (Food and Drug Administration) proposed to ban the use of colloidal silver or silver salts in over-the-counter products. A Final Rule banning such use was issued on August 17, 1999 and became effective September 16th. The rule applies to any nonprescription colloidal silver or silver salt product claimed to be effective in preventing or treating any disease. Silver products can still be sold as "dietary supplements" provided that no health claims are made for them. During 2000, the FDA issued warnings to more than 20 companies who's Web sites were making illegal therapeutic claims for colloidal silver products. (Source: [Natural Response](#))



II. A Brief History of the Use of Silver in Health and Wellbeing

Silver is a miraculously powerful, healing agent that has been used for thousands of years across the World, with no harmful side effects when it is used with respect for its true value and efficacy. The mineral known as silver has been used for healing purposes and for treating diseases as far back in recorded time as 4000 B.C. Eastern Persian records specifically mention the practice of placing water in silver vessels to preserve it, the ancient Babylonian and Greek civilizations were fully aware of silver's ability to disinfect.

For centuries, the method for producing silver for human consumption was to grind it into a fine powder and dissolve it into water, either manually or chemically. This knowledge was passed on to kings, emperors, sultans and their families and members of their royal courts, who also ate from expensive 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 into their foods. And after a generation or two, 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", at times, because their skin had a ever so slight tint, due to the over accumulation of traces of pure metallic silver. The common red blooded folk, however, ate from earthenware dishes with iron utensils and frequently were more sick, while the "royals" enjoyed more freedom from infectious disease sometimes from as early as their birth. One of the most complete historical references on Colloidal Silver is published in *The Lancet*, dated December 12, 1914.

Your great grandmother may have put a silver dollar in the to keep it from spoiling as it sat on the back porch in summertime non refrigerated. 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.

Colloidal Silver was in common use in America from the late 1800s until 1938 when the medical industry developed and began to rely upon chemical-based antibiotics through pharmaceutical sales. Colloidal Silver was, in those days, used 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, when affordable. The cost approached nearly \$100 per ounce then, way far out of the price range of the ordinary citizen. Ironically, Colloidal Silver was expensive in those days (which greatly limited its wide spread use), because it was derived from chemical sources then, just as today's drug based chemical based antibiotics are now comparatively costly.

For Colloidal Silver, due to a recent breakthroughs in the modernization of the original, pre-1938, methods of production, a more concentrated product is available at a tremendous savings in cost. Not only is Colloidal Silver much cheaper and safer than it used to be, it also is much cheaper than today's antibiotics. Furthermore it is available without a doctor's prescription.





[EZ Order Colloidal Silver Here](#)

III. How Modern Colloidal Silver Works

"It's not a secret our soils have been depleted of essential, trace and rare minerals so vital to health and life." Sixty years ago in 1936 the United States Department of Agriculture issued U.S. Senate Document 264, stating 'that virtually all soils in the United States were mineral deficient'. Scientists at the 1992 Earth Summit in Brazil submitted documentation that soils world-wide were depleted of minerals. The United States soils rated as one of the most serious with 85% of essential minerals depleted." (Source: [Healthy Living International](#))

In 2010, one would find it most distasteful to even begin to imagine what condition the world's soils are in this epoch. With no access to essential silver nutrients from the soil, our immune systems have become defective and need supplemental silver to defend ourselves from disease. This one simple fact explains, in part, why taking only a little colloidal silver works miracles.

In the most *non-technical* way possible, here's a quick layman's summary of how silver, in colloidal (nano or microscopic) sized particles, scientifically works in our bodies to both protect and restore our health.

Properly made Colloidal Silver is composed of extremely small (.01 to .001 millionths of an inch, "microns" in diameter) particles of pure (99.9%) silver, suspended in a solution of doubly pure distilled water. The concentration of silver in the water is typically only 5-10 parts of silver for 1 million parts of water (5-10 ppm). The silver is deposited in the water by the process of electrolysis. In such low concentrations it is completely safe to

consume (even for children), yet amazingly powerful against disease causing elements that enter our bodies and make us sick.

When healthy, our bodies naturally resist the disease causing elements (called microbes or pathogens). The acidity of the fluid in the cells healthy bodies is relatively low (in the 7.2-7.4 alkaline range of PH). The (intercellular) fluid around the cells is however naturally more acidic (about PH 4). In this cellular environment pathogens cannot attack and injure the body because of the natural electrical potential.

However, when a body becomes *out-of-balance*, for whatever reason (diet, stress, environment, or injury, for example), the immune system defenses are negatively affected and a change in their relative PH levels in and around the cells results. The power of the cell is reduced because the electrical potential is reduced by the change in the PH levels (inside the cell dropping and outside rising). The ability of the body to absorb oxygen is decreased. The cells, without proper oxygen levels, become weak and become easily attacked and controlled by foreign elements (viruses, bacteria, fungi, etc.). We become increasingly sick as more cells are made weak and eventually die.

Silver, as a "superconductor" of electricity inside and outside of our bodies, has a natural ability to maintain the proper electrical potential between the inside and outside of our cells. This is because silver attacks the ability of foreign pathogens to breathe by destroying an enzyme in these single cell creatures. Simply put, without that enzyme, the germs suffocate and die. The enzyme is contained in the protective protein coating of a virus. It is destroyed by micro particles of silver in colloidal form around the cell. The "head" of the pathogen simply collapses and it dies without oxygen. So they cannot grow or reproduce. They are then removed from the body through its natural elimination systems.

The Colloidal Silver process is so effective that no known pathogen in existence can live more than 6 minutes in the presence of silver molecules. More important, none of them can develop resistance or mutate (change form to disguise themselves) from silver. More than 650 varieties of pathogens cannot escape the silver bullet!

The therapeutic use of silver in ionic (nano sized form) does not produce superbugs like regular antibiotics, nor does it produce side effects that result in other health problems. It is fast acting and inexpensive!

Colloidal Silver is in fact a miracle cure for modern mankind that is plagued by innumerable (natural and manmade) viruses (influenza, AIDS, MRSA, malaria), bacteria and fungus. This is not to mention "superbugs" created in response to antibiotic (life-against-life) drugs. As single cell intelligences, the mutating pathogens are smarter than the drug company "mad scientists" who profit (\$\$\$'s) enormously from their lab created poisons at the expense of our lives.

In an article entitled: La "Big Pharma" y las Tragedias Internacionales, by Roña Toña, it is well stated:

NADIE, NADIE ha volteado a ver a las grandes farmacéuticas y a sus secuaces psiquiatras que recetan, a diestra y siniestra, miles de drogas a miles de niños y adolescentes para tratar "problemas" que, en realidad, la humanidad ha padecido desde siempre.

NOBODY, and I do mean NOBODY can refuse to see the big pharmaceuticals and their psychiatrist lackeys prescribe, right and left, thousands of drugs to thousands of children and adolescents to treat " problems " that humanity has actually always endured. (Source: [SPD NEWS](#))

Note: "Further elucidation on the (more) complex effects of nanoscalar Ag+ on bacteria now extends beyond its known (a) lethal oxidation of the pathogen. It also involves (b) an "intermolecular electron transfer," resulting in an electrocution of the pathogen; 3 (c) a binding and chelating to essential pathogen receptor sites, which defeats the pathogen's mechanisms of invasion into host cells;3 (d) an ion non-dependent heightened catalytic action and (e) cleavage, which fragments essential pathogen/pertinacious structures. (Source: Eichorn GL, et al. Interaction of metal ions with biological systems, with special reference to silver and gold. *Proceedings of the First International Conference on Gold and Silver In Medicine*, Bethesda, MD, published by The Silver Institute, Washington, D.C. 1987 May 13-14;4.)

HOW HEALING IS ACCELERATED WITH COLLOIDAL SILVER

The normal cell division in body tissue ("Mitosis") happens when two, new, identical cells are formed from a single parent cell. When Colloidal Silver is present in the body tissue, some of the new divisions, however, will be different, i.e., not identical.

One duplicate cell and one differentiated cell are formed in the process of mitosis in the presence of Colloidal Silver. The differentiated cell is a cell that can change into any other type of cell in the body. As such, it can easily and naturally migrate to any part of the body where there is damaged tissue. The new cell then changes to a local tissue type, aiding the normal cell repair in the damaged or deficient area, lessening scar tissue formation and accelerating the healing. The accelerated healing benefits of Colloidal Silver were first discovered by Robert O. Becker, MD and published in his book, *The Body Electric*.



IV. Colloidal Silver's Scientifically Established Medical Uses

Colloidal Silver, in spite of the legal/regulatory medical environment suppressed by the international drug cartel, is rapidly gaining favor in major parts 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 back 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.

Some other contemporary references from which this information 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- *The Body Electric* and *Crosscurrents*.

Dr. Eric Gordon, MD and Dr. Kent Holtorf, MD have shown that Colloidal Silver has been proven to be effective against 24 of the major viruses known to cause upper respiratory tract infections (URTI's), such as influenza.

(Source: A Promising Cure for URTI Pandemics, Including H5N1 and SARS Has the Final Solution to the Coming Plagues Been Discovered?
http://gordonresearch.com/Presentations/GRI_mar07/articles/promising_cure.html)

The curative power of Colloidal Silver, however, extends far beyond its antiviral qualities. Not only has Colloidal Silver been proven to completely decimate many of the viruses associated with deadly viral flu infections, it has also been proven to kill most of the well-known bacterial pathogens across ALL PATHENOGENIC DOMAINS.

This fact is extremely important and indicates that Colloidal Silver can eliminate virtually any source of infection, even antibiotic resistant superbugs.

Many of the bacteria that are effectively eliminated are those that cause serious secondary infections during and after viral infections, including the following:

- Pneumonia
- Inflammatory conditions of the eyes, ears, nose, and throat,
- Spring Catarrh (Colds),
- Streptococcus pneumonia
- Corynebacterium diphtheriae (Diphtheria)
- Neisseria gonorrhoeae (Gonorrhea)
- Klebsiella pneumoniae (Klebsiella)
- Haemophilus influenzae
- Bordetella pertussis
- Mycobacterium
- Tuberculosis

It was reported in the British Medical Journal back in 1917, that Colloidal Silver was free from the problems of other preparations of silver. Reports in the Journal from the same time period gave these benefits for the usage of Colloidal Silver:

- ◆ Lesions, subduing inflammation and promoting healing.

- ◆ Prostate, reducing enlargement.
- ◆ Ani pruritis, perineal eczema, hemmorhoidal problems, all eliminated.
- ◆ Bowel disorders, if caused by bacteria, rapidly eliminated.
- ◆ Warts, rapid disappearance.
- ◆ Eustachian tubes, and nasopharyngeal areas, restores potency of and eliminates cattarh.
- ◆ Tonsillitis, quinsies, and other septic conditions of the mouth and throat, including Whooping Cough and other persistant coughs, all are rapidly eliminated.
- ◆ Ear aches and other problems, again rapidly healed.
- ◆ Shingles, reduces pain and promotes rapid healing.
- ◆ Feet, itching, scaling, (Athlete's Foot and fungi problems) eliminated.

With modern methods of manufacturing Colloidal Silver, the cost of it has fallen dramatically to an average price of about \$4-5/ounce. This is bringing the product into wider general usage. Many health food stores now carry Colloidal Silver, as well as mail order places, [and it is sold on the Internet](#).

It is important to note its bioavailability. When consumed, the tiny particles of Colloidal Silver are resistant to acids of the stomach and continue the catalytic action and pass into the intestine, unchanged.

Therefore, as a broad-spectrum antimicrobial, Colloidal Silver is unsurpassed. In a recent article in Clinical Practice of Alternative Medicine, entitled, "Viral Load in AIDS Patients with Intravenous Mild Silver Protein--Three Case Reports", it is revealed that some 650 different disease organisms were eliminated by Colloidal Silver or Mild Silver Protein ("MSP" - higher concentrations of silver in solution), including:

- | |
|---|
| <ul style="list-style-type: none"> ▪ Malaria ▪ Gram-positive bacteria |
|---|

▪ Gram-negative bacteria
▪ Spore-forming bacteria
▪ Fungus/ yeasts including several Aspergillus varieties
▪ 50 different clinical isolates of Candida albicans,
▪ Protozoa parasites
▪ Herpes (71 strains)
▪ Viruses

Silver and HIV

The first of two HIV viral load cases treated with Mild Silver Protein indicated dramatic reductions, in the amount of 750,000 RNA (viral load) copies/ml decreased to 400 RNA copies/ml within only 35 days of intravenous treatment.

The second case showed a 13,752 HIV-1 RNA test on June 9, 1998 reduced to 2,215 on July 20, after a second HIV-1 RNA test was performed after just 5 weeks of silver treatment. (Source: Dean W, Mitchell M, Whizar Lugo V, South J. Reduction of Viral Load in AIDS Patients with Intravenous Mild Silver Protein--Three Case Reports. Clinical Practice of Alternative Medicine. Spring, 2001.)

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In another fairly recent Temple University in Philadelphia study by Professor Earl E. Henderson, Ph.D. states:

We tested the ability of biotic silver protein to inhibit human immuno-deficiency virus type 1 (HIV-1) replication in the human T-cell line, SupT1, as measured by syncytia formation.

We found that pure silver protein inhibited HIV1, replication in SupT 1 cells as measured by a reduction in the appearance of syncytia in cell culture. There appeared to be little, if any, acute toxicity associated with the dose of biotic silver protein which inhibited HIV-1 replication. These results are very encouraging and suggest additional experiments that could be done."



**Partial Listing of Some of the Health Areas/Conditions
Successfully Treated with Colloidal Silver and/or Mild Silver
Protein (MSP)(*)**

1. Acne	43. Gonorrhea
2. AIDS	44. Halitosis (Bad Breath)
3. Allergies	45. Hay fever
4. Angina	46. Hemorrhoids
5. Anthrax	47. Herpes or Shingles
6. Appendicitis (Supportive post-operative)	48. Impetigo
7. Arthritis	49. Indigestion
8. Athletes Foot	50. Infantile Diseases
9. Axillae	51. Inflammation
10. Bladder Irritation or Infection	52. Infections (Bacterial, Fungal, Parasitic or Viral)
11. Blepharitis	53. Pleurisy
12. Blood Poisoning	54. Polyps (Nasal)
13. Boils	55. Prostate (Enlarged or Inflamed)
14. Burns or Wounds	56. Prostatic Gleet (Gonorrhea Pruritis Ani, Psoriasis, Pyorrhea Alveolaris (Riggs

	Disease)
15. Cancer	57. Quinsy
16. Candida Albicans	58. Rheumatism (Inflammatory),
17. Catarrh (Nasal & Nasopharyngeal & Spring)	59. Rheumatoid Arthritis
18. Cholera	60. Rhinitis
19. Colds	61. Ringworm
20. Colitis	62. Scar Latina
21. Conjunctivitis (Gonorrheal)	63. Scarlet Fever
22. Conjunctivitis (Phlyctenular),	64. Seborrhea
23. Cough (Whooping)	65. Sepsis (Ears, Eyes, Mouth and Throat)
24. Cystitis (Chronic)	66. Septicemia (Puerperal)
25. Dacrocystitis	67. Sinusitis
26. Dermatitis (due to Extreme Toxemia),	68. Skin Rash (Diapers)
27. Diabetes	69. Staph or Strep Throat
28. Diarrhea	70. Stomach Flu
29. Diphtheria	71. Thyroid Disorders
30. Dysentery (Bacillary)	72. Tooth Decay
31. Ear Infections (Inner Ear)	73. Toxemia (Extreme Systemic)
32. Eczema (Chronic Anterior or Meatus of the Ear)	74. Trachoma
33. Eczema (Perineal)	75. Typhoid Fever
34. Eczema (Pustular of Scalp)	76. Ulcers (Corneal Infected)
35. Edematous Enlargement of Turbinates (w/o True Hyperplasia)	77. Ulcers (Corneal Infected)
36. Epididymitis	78. Ulcers (Septic in Legs)
37. Erysipelas	79. Ulcers (Stomach)
38. Eustachian Tube infection	80. Urticarial (Ulcerative, due to Extreme Toxemia)
39. Fatigue (Chronic)	81. Valsavas

	Inflammation
40. Febricities	82. Vorticella
41. Furunculosis	83. Warts
42. Gastritis	84. Yeast Infections

(Source: [Digital Naturopath](#))

(*) Many in the list above are officially documented uses. There are many other health conditions not contained in this list, and uses listed here are in all probability formally substantiated, although not indicated as so in the Digital Naturopath website.



[EZ Order Colloidal Silver HERE!](#)

V. Colloidal Silver Specifically in Veterinary

Colloidal Silver can play a very vital role in maintaining the health and hygiene of animals and pets. As simple as when mixed with animal shampoo, it can easily disinfect the animal. It should be clearly kept in mind that Colloidal Silver does not cause any side effects when taken in recommended quantities, as is not the case with standard antibiotics. One half the adult human dosage is often used for small animals, depending on its concentration. A small amount of colloidal silver is given twice a day for young animals, for example calves and foals. It is a good preventative.

Common among pets are eye problems like Conjunctivitis and Chlamydia. The antiseptic powers of silver are beneficial in treating these problems. Colloidal Silver fights against bacterial ear infections and abscesses in animals too. Moreover, silver heals tick as well

as flea bite wounds in dogs and cats, rapidly. White Line disease is a growing problem in horses which is often treated very successfully with Colloidal Silver. Even the US Food and Drug Administration (FDA) has reported that Colloidal Silver has been used to treat mastitis and many other diseases in dairy cattle.

The positive experiences on record of many pet owners and farmers attest to the fact that Colloidal Silver works wonders. These testimonies are pure proof that silver is not a placebo.

There are many other beneficial uses for this create "panacea" in veterinary medicine very affordably and with zero side effects or other adverse complications!



VI. [Colloidal Silver](#) in Agriculture

A largely still unexplored field, Colloidal Silver in agricultural applications holds tremendous potential to increase yields and overall crop health. When used as a fungicide or bacteria eliminator, it is organic and cost effective to the farmer.

As stated above, the mineral balance in the globe's soils is very much depleted. With the addition of silver, that balance is at least partially restored.

Try [Colloidal Silver](#) on your plants, they will love it! Also read more about agriculture and Colloidal Silver [here](#).



VII. [Colloidal Silver](#) and Nano Particle Silver in Industry

Industrial and decorative general uses of silver mainly include the following three categories; Photography, Jewelry and Silverware. These 3 categories represent more than 90 percent of annual silver consumption. Industrial applications in 2007 consumed 455.5 million ounces of silver.

Indeed, silver has a number of unique properties including its strength, malleability and ductility, its electrical and thermal conductivity, its sensitivity to and high reflectance of light and the ability to endure extreme temperature ranges. Silver's unique properties restrict its substitution in most applications.

Colloidal Silver is specifically being used in the following industrial applications (and more):

Water Treatment , Purification and Waste Water Industry - Treatment of pools, fountains, humidifiers, Jacuzzi's, hot tubs, baths, dishwashers, re-circulating cooling tower water, etc.

Military Industry Civilians Protections And Government Services - Bio-terrorism & Governments fights against Pandemic Flu / SARS or Bird Flu, H1N1

Soft Drink Industry- Silver-based water purification systems

Cosmetic Industry- Nano anti-ageing products, body care and other cosmetic products, canning, preserving or bottling

Detergents & Hygiene Industry- Toothpaste, toothbrushes, soap, shampoo / Detergent, Treatment for dry skin, pimples, and itches / Mouthwash
Bath products / Gingivitis / Deodorant / Cosmetics

Medical products & Medical Industry – see above

Shoe Industry- Kills persistent odors

Textile & Clothing Products Industry

Beds and blankets, pillows, linens / clothes, masks, socks, underwear
Shoes, Insoles

Electronics & Communications Industry

Nano sized silver particles prevent electric charging and cut-off of electron waves in electronic products such as cellular phones, computers, semiconductor lines, optical filters, fibers, wallpaper, and glass coatings. Colloidal Silver is also used as a catalyst, sensor, optical filter, PDP electrode, and LCD Spacer in materials, chemicals, machinery, information and electronic devices.

Plastics and Electronics Industry

Refrigerator, Washer / Antibacterial for toys / Electromagnetic shielding

(Note: Samsung India Electronics, a leader in consumer technology products, today announced the launch of an entire range of "Silver Nano Health System" home appliances. Over 55 new models of washing machines, refrigerators and air conditioners will be available with sophisticated silver-technology that minimizes the spread of bacteria in the home.)

<http://nanobiosilver.com/howpeopleuse.html>

Construction Industry

Cement Products

Antibacterial cement: Anti-mold, anti-odor / Hospitals, cafeterias, schools, apartments, houses / Public facilities

Paint products (Mold Free, Antibacterial and Energy Saver)

Antibacterial paint (oil based, water based, epoxy) / Hospitals, cafeterias, schools, apartments, houses / Public facilities

Food Industry & Food storage products- Versatile wrap, antibacterial containers, rice storage containers, grains storage

Packaging Industry & Paper Industry

Antibacterial wallpapers, antibacterial filters (automobiles, humidifiers, air conditioners, vacuum cleaners). Nano silver is used in producing plastic bottles, paper and cardboard containers.

Consumer Products - Environment friendly medical products - Environmental toxic substance cleanser / Prevention of pest in forests

There are actually thousands of other potential uses for this odorless, nearly tasteless and colorless, totally benign, powerful, non-toxic disinfectant and healing agent.



VIII. Dosage, Care and Storage of [Colloidal Silver](#)

While ionic (nano-sized, micro particle) Colloidal Silver does NOT tint your skin blue or any other color (unless you seriously misuse it), it can still be said allegorically that

those who through the centuries have had the knowledge and resources to use medicinal silver are “Blue Bloods”, because of their great health and attitudes.

Daily Preventative dose:

While Colloidal Silver use is becoming more and more widespread, there are no standardized formulas employed across-the-board for dosages. Users of Colloidal Silver as a daily nutritional mineral supplement generally take about one tablespoon of 5 ppm colloidal silver once per day (equaling about 75 micrograms) as an illness preventative measure, with no associated risks from its use (see Dosage Safety below).

Oral Therapeutic Dose:

If you have a disease or other form of illness, one ounce (about 30 mls.) is considered a therapeutic dose, in general. The number of doses are taken during a twenty four hour period is variable depending on the severity of the condition, medical recommendation and the intuition, the body weight and other variables.

The number of daily doses ranges from one to sixteen ounces. Once symptoms subside, users generally stop taking it in that amount. The duration of the treatment for more severe and chronically severe conditions can take three weeks or longer.

Dosage Safety:

As previously mentioned, the US FDA as a governmental regulatory agency supposedly concerned with safety issues, has taken a tremendously, irrational, negative position on the enormously curative benefits Colloidal Silver. The FDA does its own multi-million dollar private testing and does not consider widely published research, such as that conducted by private or government laboratories, the medical departments of major universities, and other such sources, to be sufficient grounds to make health claims for natural substances. They outright completely reject all health claims for Colloidal Silver and permit its promotion within the USA as a nutritional supplement only.

On the other hand, the US Environmental Protection Agency (EPA) states that the daily reference ("safe") dose by body weight for oral consumption of Colloidal Silver is approximately .005mg/kg-day, meaning that an individual who weighs 72 kilograms (160 pounds) could safely ingest .350 milligrams of silver *per day* during the course of an average 70-year lifetime without fear of excessive silver buildup.

The daily preventative dose above is then less than 10% of the EPA's daily "safe" (Reference Dose - RfD) dose of Colloidal Silver. Calculating the FDA's RfD, by body weight, a 160 pound (72.5 kilogram) person could safely take 768 drops (about 1 ounce or 30 mls.) of Colloidal Silver each and every single day, essentially for the rest of his (or her) life. That is equivalent to the therapeutic dose taken every day for life and still being safely within the very conservative EPA's RfD limit.

Even with the larger therapeutic dose taken daily for life, the risk of argyria, (or harmless, however, blue tinted skin), the most common health concern with Colloidal Silver, is thus a non-issue and will never be contracted.



VIII. Test Results of Colloidal Silver

Over the many decades of its use, Colloidal Silver has been thoroughly tested by many, many reputable organizations, institutes, colleges and universities. A few of these tests are presented below:

[Silver-Colloids](#) This site is dedicated to the publication and dissemination of scientific information about colloidal silver. Information contained on these pages is intended for informational and educational purposes. The authors contributing information found on these pages do not directly or indirectly dispense medical advice nor prescribe any remedies or assume responsibility for those who choose to treat themselves.

[Silver-Colloids - Do They Work?](#) Professor Ronald J. Gibbs. This excellent book provides valuable information on colloidal silver and is written by an eminent scientist.

[Reduction in Viral Load in AIDS Patients with Intravenous Mild Silver Protein – Three Case Reports](#) A recent article appearing in the Clinical Practice of Alternative Medicine lends further merit to the use of silver as an anti-viral agent. It is an intriguing glimpse into the potential applications of an important, but often overlooked metal. In the article, study authors Dean, Mitchell, Whizar-Lugo, and South, explore silver's history in the pre-antibiotic era--and report their impressive results on the intravenous use of mild silver protein in three case studies. (by Kimberly Pryor)

[The Chemical and Physical Basis of the Therapeutic value of colloidal forms of silver](#) By John Marshall Dudley. Silver colloids were analyzed from several scientific perspectives to determine what the expected action is on various pathogens as well as its effect, if any, on so called friendly or non-pathogenic bacteria.

[The Development and Functions of Silver in Water Purification and Disease Control](#) By Richard L. Davies and Samuel F. Etris. [The Silver Institute](#), Washington DC.

[AgION™ Technologies](#) Bacteria, mold and mildew have been an unwelcome companion for too long. Welcome to a world where destructive bacteria won't be able to function nearly as well as they used to. Now there's a substance called AgION™ antimicrobial compound that's designed for use in medical devices and pharmaceutical applications, in food packaging and in fact just about everything we come in contact with

in our daily lives.

[Argentum Medical, LLC In Vitro and In Vivo Silverlon® Studies](#)

[Conduct Your Own Experiments!](#) Take a look at these simple experiments you can conduct with colloidal silver.

[Argyria following the use of dietary supplements containing colloidal silver protein.](#) Gulbranson SH, Hud JA, Hansen RC. Good Samaritan Regional Medical Center, Phoenix, Arizona 85006, USA. The onset of argyria following the use of dietary supplements containing colloidal silver protein is presented.

[American Silver's Antibacterial Product \(ASAP Solution\) Testing Results Summary](#) Conducted by Microbiology Department, Brigham Young University, Provo, Utah. The following results suggest that American Silver's ASAP solution is a broad spectrum antimicrobial agent—it is able to effectively stop the growth of, and in fact kill, a variety of bacteria.

[An historical overview of the use of silver in wound management](#) Richard J White, internurse.com. The increasing evidence available on products containing silver suggests that this element can fulfil a valuable role in wound care. This review of the history of silver as an antibacterial covers the mode of action of preparations containing silver and concludes with a focus on silver as a component of the modern wound management products: Arglaes, Acticoat, Actisorb Silver 220 and Avance.

[Growth Inhibition of S. cerevisiae var. Montrachet in 0 to 15 ppm ASAP Solution.](#) Conducted by Jason Henrie, UC Davis, 4/13/99. Results: American Silver's ASAP Solution definitely inhibits the growth of yeast and the difference between treatments is statistically significant.

[The Silver Lining in Water Purification](#) At Bon Del, we use small amounts of silver bonded to granular activated carbon to make our filter an actual purifier. In other words, not only do we screen harmful sediments out, we inhibit the growth of harmful organisms that otherwise would breed inside the filter element. Silver is the proven method to do this effectively and non-toxically (see below for more information).

[Evaluating Colloidal Silver](#) As an experimental baseline, hypothesize that 20% of ionic silver, through body processes, aggregates to form larger particles that are large enough to be treated by the body as silver, and a small percentage of these might be retained in the body for a period of time rather than be eliminated through urine/feces.

[Non-Toxicity Test Work Summary](#) In order to insure not only the best product, but also a safe product, American Silver L.L.C. hired an international and independent laboratory to do a toxicology study on the ASAP Solution. The test, called an LD-50 test, was performed in accordance with the guidelines of the Federal Hazardous Substances Act (FHSA) Regulations, 16 CFR 1500.

[Antibiotic Comparison](#) Conducted by Microbiology Department, Brigham Young University, Provo, Utah. The following page contains data from seven strains of potentially pathogenic bacteria. They are the same strains that have been tested in

Minimum Inhibitory Concentration tests (MIC) against American Silver's ASAP solution. This data contains, along with the data on the ASAP solution, MIC's performed on each bacteria versus representative of five different classes of antibiotics.

[Results of Clinical Tests - Heallix tm](#) Conducted by ARUP (Associated Regional & University Pathologists, Inc.) University of Utah Research Park on October 18, 2001. Heallix contains silver but is not colloidal silver.

[Healing Skin & Other Soft Tissues](#) Marvin Robey. ..."It was an enormous excavation running almost from his knee to his ankle. In the operating room, we soaked a big piece of silver nylon in saline solution and laid it over the wound. ...We packed the fabric in place with saline-soaked gauze, wrapped the leg, and connected the battery unit."

Source of Compilation: [Colloidal Silver Facts](#))



["AGUA CRISTALINA" THE BEST COLLOIDAL SILVER, WHY?](#)

AGUA CRISTALINA (Colloidal Silver) by, Nutrición del Milenio, México, is produced under strict, sanitary conditions, using super-fine 99.9%, pure Mexican Silver (plata) spheres, in a solution of double - distilled water.

The solution is then fused with high vibrations through a special process instilling *cosmic healing rhythms of indigenous Mexica-Tamazcal sonic undulations*. This is a proprietary process that results in a very special, powerful, good tasting, and highly efficacious Colloidal Silver product. It simply cannot be duplicated else where!



“The Natural Alternative”

Colloidal Silver is the only antibiotic known reportedly to kill
all types of **viruses, fungi and bacteria.**

Colloidal Silver is also the only antibiotic known to be perfectly **harmless to all parts of the body.**
antibiotics,

Colloidal Silver promotes **accelerated healing!**



Disclaimer: This report on Colloidal Silver has been written and presented for informational and educational purposes only. The information conveyed herein is based on pharmacological and other records both ancient and modern. ... No claims whatsoever as to any specific medicinal benefit accruing from its use are to be considered definitive without further expert advice. Consult your holistic health provider.