

Colloidal Silver-Nature's Healing Power

What is Colloidal Silver?

Silver (47 Ag 108) Silver is #47 on the Element Chart, meaning that there are 47 electrons. It has the highest thermal and electrical conductivity of all metals with the lowest contact resistance. It is not soluble in water and does not combine easily with other elements to form compounds.

Colloid-refers to tiny particles suspended in a liquid or gel that would not pass through a parchment membrane. Webster's Dictionary defines it as any substance (as an aggregate of atoms or molecules). Whether a gas, liquid, or solid, in a fine state of subdivision with particles to be visible in an ordinary optical microscope that is dispersed in a gas, liquid, or solid medium and does not settle or settles very slowly.

Colloidal Silver is a tasteless, odorless, nontoxic, pure, natural substance consisting of sub-microscopic clusters of silver particles, suspended by a tiny electric charge placed on each particle, within a suitable liquid. The molecule's size is .00001 microns or 1.26 angstroms in diameter (very small). The particles do not settle but remain suspended since the electric charge exerts more force than gravity on each particle. Colloidal is the form of choice since the body must convert a crystalline solution to colloidal before it can be used.

Colloidal Silver was developed in 1891, but it wasn't until the early 1900's, when a researcher by the name of Albert Serle, did Colloidal Silver really become known. It was a very popular choice of medicine until the 1930's, when penicillin was invented. By 1970, Colloidal Silver had been taken out of all the medical reference books.

Why and how it works

Colloidal Silver is an antibiotic, antiviral and antifungal. It kills a broad range of disease microbes (usually in 3-4 minutes) including *E. coli*, *Staphylococcus aureus*, *Streptococcus pneumonia*, *Salmonella arizona*, *B. tuberculosis*, *anthrax*, and more.

"They have the advantage of being fatal to the parasites-both bacterial and otherwise-without any toxic action on the host" Albert Serle, The Use of Colloids in Health and Disease, 1919, Page 75

"It rapidly subdues inflammation and promotes healing of lesions" Sir Malcolm Morris, (Serle, page 83).

"In 1989, Thurman and Gerba concluded that metal ions, such as silver ions, can destroy germs located both inside and outside of our human cells. Once a germ has entered human cells—such as HIV, which invades white blood cells—it becomes more difficult for drugs to attack the infection without becoming toxic to those cells. It wasn't until 2000 that the precise reason why silver worked so well was finally made clear by a researcher in China named Feng...

"...The rich amounts of silver ions found in UPOSH easily rupture a germ's outer membrane when present in the right amounts, causing the germ's vital internal components be exposed in the bloodstream to our white blood cells. While the white bloodstreams attack the inner components, UPOSH continues to destroy these vital internal components by cutting up its vital enzymes. Furthermore, Feng showed that silver ions can easily reach into the nucleus of the germ, where its vital

gene pool is located. Once silver ions combine with these genes, the genes become paralyzed, and the germ cannot replicate itself. Most recently, another researcher found that silver, when tied to oxygen, can actually electrocute the germ which has turned out to be a powerful way to destroy viruses such as HIV! It is very difficult to imagine that germs can develop resistance to the onslaught made possible with UPOSH when it is properly delivered to the locations of the infection." - John W. Apsley, II, DC, MD(E), Immunogenic Research Foundation. (www.silvermedicine.org)

Researchers have been able to find more than 650 pathogens Colloidal Silver destroys, making this a safe and effective way to treat all kinds of illnesses.

What has it been used for?

In the early 1900's, Colloidal Silver was used for gonorrhea, tonsillitis, whooping cough, typhoid, liver and infectious conditions, inflammatory conditions, impetigo, septic ulcers of the legs, ringworm, soft sore, pustular eczema of the scalp, boils, dysentery, syphilis, intestinal troubles, sores, used as a gargle, injected intravenously and intramuscularly; as eye drops and applied topically.

Today it has been used for a wide range of ailments. Internally, it has been used for AIDS, allergies, anthrax bacilli, arthritis, blood poisoning, chronic fatigue, prostate, herpes, hepatitis, infantile diseases, leukemia, lupus, parasites, infections, stomach flu, thyroid conditions, rheumatism, shingles, skin cancer, staph and strep infections, toxemia, stomach ulcers, and whooping cough, to name a few. Externally: Colloidal Silver is painless on burns, cuts, abrasions, warts, ringworm, open wounds, in the nostrils for a stuffy nose, and even in a body's eyes because, unlike antiseptics, it does not destroy tissue cells. Perfect with cosmetics, creams and lotions. Spray on, then add your favorite cream or lotion. It has been used as a natural under arm deodorant and for virtually every medical circumstance for humans, plants and animals around the home and farm.

What is the Dosage?

A few drops on a Q-tip or band-aid may be used to disinfect any wound or sore. It can be used vaginally, anally, atomized or inhaled into the nose or lungs and dropped into the eyes. To start, take one teaspoon per day, for seven days, and then reduce to half a teaspoon per day. Children should use proportionally smaller doses. For colds and flu symptoms, up to a tablespoon three times daily. Once ingested, Colloidal Silver circulates in the body for about a week before elimination and is completely gone within 3 weeks. I usually drink 4 – 8 oz. occasionally, more if illness is present. If you do this occasionally, remember to take acidophilus to keep the friendly bacteria population dominant.

For a more technical formula:

Colloidal Silver products typically contain 10 ppm=10mg of silver per liter=2.4mg per 8 oz=.050mg per teaspoon.

Oral Reference dose RfD is .005mg per day. This means that an average person can ingest this much Colloidal Silver per day over a seventy-year lifespan with no side effects. (Warren Jefferson, Colloidal Silver Today, 2003, page32)

This converts as follows:

220lb=100kg=.5mg day=10 tsp of 10 ppm of Colloidal silver

132lb=60kg=.3mg day=6 tsp of 10 ppm of Colloidal Silver

The only known side effect is a condition called Argyria-a permanent bluish-gray color of the skin. If you take the RfD, this should not ever be a problem.

INSTRUCTIONS FOR COLLOIDAL SILVER PRODUCTION

1. Gather your ingredients: Alternative Health & Herbs Remedies Colloidal Silver Generator. Two silver wires - Use only .999% pure silver wires. Do not confuse sterling silver (.975) with pure silver since sterling silver also contains other metals. Alligator clips. Distilled or reverse osmosis (R/O) water. Fresh or reconstituted lemon juice, 1 to 3 drops (used to promote conductivity)
2. Pour distilled or R/O water in a glass (not metal or plastic) cup. For higher parts per million (ppm) see below for instructions.
3. Insert your two .999 pure silver wires into water so that the wire ends fold over the top rim of the glass container. Do not let wires touch each other or the process will stop.
4. Plug the mini-jack end of the alligator clips into the generator. Briefly touch the alligator clips together and watch how brightly the generator bulb glows. This is a good way to check the strength of the batteries. Next, take one alligator clip and attach it to one of the silver wire ends that extends over the rim and outside of the cup. Next attach the second alligator clip to the end of the second silver wire extending over the rim. There is nothing to fear, you cannot shock yourself in this process. Placement of the wires is not critical, (tips about 1" apart is good) but they must not be touching each other or once again, the process will stop.

Now you're ready to make Colloidal Silver Water. Once the alligator clips are attached to the ends of the silver wires, you will see a gray mist inside the glass start to peel from the positive polarity wire while bubbles of hydrogen rise from the other. For each minute of activation within properly conductive water, a silver colloid of approximately 1 part per million (ppm) will be created. Four minutes should produce a higher quality working solution. About 5 ppm in an eight-ounce glass at room temperature (72) degrees. Yield depends on water volume (size of container) water conductivity, water temperature, and surface area of electrodes, amount current and time.

Making High Concentrations of Colloidal Silver

To greatly increase the ppm, use 8 oz. of distilled or R/O water, heated to 140 degrees, 4 -5 minutes equals approximately 120 ppm. For every 10 degrees above room temperature you will

double your ppm. As an example: Approximately 8 oz. at 72 degrees water temperature equals 1 ppm per minute. 82 degrees equals 2 ppm per minute. 92 degrees equals 4 ppm per minute, 102 degrees equals 8 ppm 112 degrees equals 16 ppm, 122 degrees equals 32 ppm, per minute, etc. as temperature drops from 140 ppm decreases. Stir to increase PPM and when one rod becomes black, remove both rods, and wipe with tissue or towel, scuff the rods bright with scouring pad, reinsert and stir with plastic or wooden spoon to increase PPM.

Yellow Colloidal Silver

The real reason most manufacturers favor yellow colored colloidal silver is not because it is more effective than other types, but because it has a longer shelf life before falling out of solution. This stability in solution doesn't automatically translate into a smaller combined particle size between the silver ion and the trace element, which it has attached itself to. It may simply be that the trace element, which the silver has combined with, is more water-soluble. In either case it's a moot point. Simply put, the most effective colloidal silver is not a question of color, but of freshness and highest concentration density. A disadvantage of the yellow colloidal silver is its bitter taste - unlike the silver colored colloid. Also, the yellow solution is more difficult to make. When using a 27-volt generator, it is helpful to reduce the water volume to mitigate the much longer activation time that the yellow solution requires. I couldn't find any medical evidence that the yellow colloid is more effective than the silver colored colloid. People can always create and compare the effects of the yellow and silver solutions for themselves. To make the yellow solution, use a tall narrow glass with six to eight ounces of distilled water. Use no saline solution. The water will not gain conductivity as it does when saline is added, so the process will take about forty-five minutes. It will produce a concentration of around 10 parts per million (ppm). Be sure to keep an eye on the color of your solution or it will eventually turn a murky brown and then black. If this happens, just throw it out and start over.

To finish, detach alligator clips. Process will stop. Dry silver wires with paper towel. To remove dark oxide on the wires, polish the blackened wire with small nylon kitchen scouring pad. If during the process, black flakes appear on the surface of the water, remove with a plastic or wooden spoon. Always stir contents with a nonconductive utensil. **Since you are only taking microscopic particles from the silver wire, your wires may very well last for several years.**

Store your Colloidal Silver water in dark, amber bottles or rinse out hydrogen peroxide bottles. Hydrogen peroxide plastic bottles are made from non-reactive plastic so they are more resistant to building up electrical charges. Store at room temperature. Do not store in the refrigerator. Full potency can be retained for at least a month and will be usable for up to one year when the Colloidal Silver water is properly stored. In using your Colloidal Silver water, it will become apparent that you now have the ability to safely protect yourself and your family from over 650 pathogens, viruses, microbes, fungi and parasites. Congratulations you have found one of God's great miracles!

