

# SPECIAL REPORT

## Inside Information on Important Innovations in Colloidal Silver Technology

Once-forgotten, powerful, all-natural, broad-spectrum anti-microbial solution, it may prove to be the potent weapon you need to protect you in the war against today's new strains of "super germs"

EDITOR'S NOTE: The discovery of antibiotics and their introduction into medical practice was hailed as one of the most important events of the struggle against human infectious diseases. The antibiotic era began in earnest in the early 1940s, with **penicillin being the first antibiotic introduced into clinical practice**. Discovery after discovery of effective anti-bacterial drugs then followed and optimism ran high in anticipation of the imminent conquest of infectious diseases. In 1969, the Surgeon General of the United States testified before Congress that, "the time has come to close the book on infectious diseases".

Since that premature, overconfident assertion there has been a powerful resurgence of infectious diseases, beginning in the late 1970s; the single most threatening component of which has been the appearance of disease-causing bacteria which have become resistant to antibiotics. These bacteria have now clearly demonstrated their capacity to develop sophisticated mechanisms of resistance against almost every antibiotic invented thus far. What's more, according to the highly-respected infectious disease researcher Dr. Alexander Tomasz, "these resistance mechanisms can find their way from one bacterium to another through a variety of efficient microbial gene transfer mechanisms. Bacteria resistant to many of our drugs can also travel over large geographic distances and reach high incidence in certain parts of the world. A bacterial pathogen resistant to all chemotherapeutic agents is no longer science fiction."

According to Tomasz, "the danger of acquiring hospital-borne bacterial disease, often by antibiotic resistant strains, is not restricted to the terminally ill, although patients with serious underlying diseases are at increased risk for all infections. Infection by antibiotic-resistant bacteria is a clear hazard for patients checking into the hospital for elective surgery. Similarly, newborns in Neonatal Intensive Care Units of hospitals are also at high risk."

We are now at a critical juncture. It is impossible to predict if and when any number of human pathogens will become resistant to all antibiotic agents. Medical science is, at present, doing nothing more than the equivalent of scrambling around trying to "plug holes in a dike" which is beginning to show signs of some very significant stress fractures. What's more, because of the extremely long time which elapses between the discovery of a new, more powerful antibiotic substance and its development, testing and subsequent delivery to the marketplace, prospects for an antibiotic solution to this potential microbial nightmare are grim indeed.

But there may be a genuine ray of hope on the horizon. This important Special Report deals with an old and yet, in many ways, new product which might very well have a major role to play in the coming onslaught of these-and numbers of other-disease causing, MDR ("multi-drug resistant") microbes. That product is "**Colloidal Silver**". Be sure you read what follows very carefully. There is a real possibility that the information contained herein could end up saving your life or that of a loved one. At the very minimum, your health and well being could turn out to be vastly improved and strengthened.

As always, permission is hereby granted to pass copies of this newsletter on to family members, friends and business associates, provided that you copy it in its entirety without omission or alteration of any kind and that you give it to them without charge.

Finally, we want to be clear about this: what follows is for informational purposes only. It is not an attempt by the writers to practice medicine nor should it be construed to be such. Readers are hereby encouraged to consult with a trusted and competent medical professional concerning the content of this newsletter and any recommendations contained herein.

"The time has come to close the book on infectious diseases." Surgeon General of the United States (Testimony before Congress, 1969)

Around the turn of the century scientists had demonstrated that silver processed a certain way could function as a mainstay of antibiotic treatment. Known as "colloidal silver", it was quite "high-tech" for its time; but compared with today's silver colloids, it was technically inferior. The Colloid Research Foundation reports, "one of the main drawbacks in the production method of the early 1900's was the technology used. The silver particle size never reached its optimum ultramicroscopic size to get the most out of the silver."

"Colloid" refers to a substance that consists of ultra-fine particles that do not dissolve but remain suspended in a medium of a different matter. The particles in a true colloid normally range in size from about 0.01 to 0.001 of a micron in diameter. Although these particles are larger than most molecules, they are still invisible to the naked eye. [To get a feel for the scale, imagine a human red blood cell to be about the size of a silver dollar; coccus bacteria would then range from about the size of a button on a man's dress shirt on down to the diameter of a 1313; and, a particle of colloidal silver would be about the size of the period at the end of one of these sentences-Ed.]

Although there have been a number of different techniques developed in an attempt to achieve a true silver colloid, the best and most effective method is the electrical process since it is the only method which preserves the necessary homogeneity, minuteness of granules, purity and stability to create a true colloid. [Examples of other methods which have been employed are mechanical grind, ultrasonic and chemical-Ed.]. A true colloid of silver is composed of particles of ultrafine, 99.999% silver, electrically charged and held in suspension in a solution of deionized water. According to the Colloid Research Foundation, the highest quality colloidal silver consists of the maximum number of particles of the minimum possible size with the ultimate solution having a huge number of particles of one atom, each carrying an electrical charge. A true silver colloid should not contain any artificial stabilizers or chemical additives of any kind [which are present in some silver products presently on the market; some even going so far as to use an artificial yellow dye in order to give their product the proper golden yellow color of the true silver colloid-Ed.].

Prior to 1938, colloidal silver was administered in just about every way that modern drugs are administered today. It was injected both intravenously and intramuscularly, used as a gargle for throat conditions, applied as a douche, taken orally and applied topically even for sensitive tissues, and dropped into the eyes. And this great healing power of silver is no secret to world-class scientists today. "Silver is the best all around germ-fighter we have," says Dr. Harry Margraf of St. Louis. Dr. Richard L. Davies, executive director of the Silver Institute which monitors silver technology in 37 countries, concurs: "In four years, we've described 87 important new medical uses for silver. We're just beginning to see to what extent silver can relieve suffering and save lives."

The comeback of silver in medicine began in the 1970's when Dr. Carl Moyer, chairman of Washington University's Department of Surgery received a grant to **develop a better treatment for burn victims**. Chief biochemist Dr. Margraf worked with Moyer and others to find an antiseptic strong yet safe enough to use over large areas of the body. They reviewed 22 antiseptic compounds before trying silver. Today silver is being used in seventy percent of the burn centers in the U.S. This story, reported in an article in Science Digest in 1978, demonstrates the profound healing power of silver:

"A speeding car overturned and burst into flames. The 18-year old driver suffered burns all over his face, neck, arms, hands, back, stomach, and legs-burns covered more than 80 percent of his body. Until recently, this would have been a death sentence. Doctors knew how to restore vital body fluids and salts, but had no way to fight infection, the primary cause of death in burn cases. Fortunately for this youth, a new silver compound killed deadly bacteria and enabled him to heal. He was out of the hospital within four months."

### **Antiseptic and Preventive Uses of Silver**

In the former Soviet Union silver is used to sterilize recycled water aboard space shuttles. NASA has also selected a silver/water system for its space shuttle. Internationally, many airlines use silver water filters to guarantee passenger safety against water-borne diseases such as dysentery. The Swiss government has approved use of such silver water filters in homes and offices. Here in the U.S., some city municipalities use silver in the treatment of sewage. Silver works so well in purifying water that it is sometimes used to purify swimming pool water, and it doesn't sting the eyes as chlorine does. An experiment conducted in Nebraska demonstrates its effectiveness: fifty gallons of sewage were pumped into a pool without any disinfectant. A standard measure of contamination is the count of E. coli, an organism found in the intestinal tract. The count soared to 7000 E. coli cells per milliliter of water. When the water was exposed to silver electrodes, within three hours it was completely free of E. coli.

Japanese firms have developed at least five technologies which use silver to purify the air. Silver is now the latest agent in the fight against airborne toxins and other industrial poisons in the Japanese work place.

A drug-based antibiotic, used for decades against growing numbers of germs, has the power to kill perhaps a half-dozen different disease organisms. Silver, by comparison, will annihilate at least 650 different germs [the total count is not yet in Ed.].

Today colloidal silver is being acknowledged by some to be the most universal antibiotic natural substance. Many forms of bacteria, viruses and fungi utilize a specific enzyme for their metabolism. Silver acts as a catalyst, effectively disabling the enzyme. It has proven toxic to all species tested of fungi, bacteria, protozoa, parasites and many viruses [Once again, please note that silver is more "broad spectrum" than antibiotics-Ed.].

In view of the rising concern about **germ warfare** and the likely use of biologicals in terrorist attacks, we find the following quote to be of more than passing interest:

"There is little defense against this kind of attack, and what few antidotes exist are withheld from the public as military secrets. One of the best examples of this is Movidyn, a substance that the Soviets discovered in their satellite state of Czechoslovakia way back in the 1950s. Movidyn is a form of colloidal silver ... One part per billion of powdered Movidyn in water has a germicidal effect. In a study of infected wells, it completely destroyed typhus, malaria, cholera, and amoebic dysentery ... To the astonishment of the Soviet military, Movidyn also disinfected every germ warfare bacteria in the Soviet arsenal, even their newest designer poisons. In other words, Movidyn was too good. The Czech factory was disassembled and carted back to the Soviet Union. To this day, the Movidyn formula seems to have been suppressed from the world..." [Source: Mark Aarons, *The Secret War Against The Jews*, Copyright 1994, St. Martin's Press, New York. Emphasis added Ed.]

### **Silver Is Vital for Health**

How could this one natural element be so powerful in healing the human body? Because the trace mineral silver performs a vital function in our bodies without which we could not live. Like other minerals -calcium, zinc, magnesium, and copper/silver is essential for health. The body needs silver to fight disease-causing organisms and to aid healing.

Some scientists now believe that a silver deficiency may be responsible for some of our modern diseases. Dr. Gary Smith, cancer research pioneer, has noticed a correlation between low silver levels and sickness. People who have low silver levels were found to be frequently sick and to have innumerable colds, flu, fevers and other illnesses. Smith has said that he believes silver could be the key to the proper functioning of the immune system. He bases his theory on the fact that silver is absolutely necessary to the body in destroying bacteria and viruses.

When it comes to the matter of human infectious diseases, the days ahead are going to be challenging ones, to say the least. We'll be doing our best to keep you informed, not only giving you information but also recommending specific actions to take which could have a beneficial impact on your health and well-being. Stay tuned ... and keep using our "premium grade" of colloidal silver !! SilverKare, Inc.