Covalent Silver Ozone vs. Colloidal Silver*

Bioavailability is the Key to any nutritional supplement – by definition. What makes silver (Ag) bioavailable? Two things are primary: structure and particle size. The particle size of the silver ions is of critical importance. The smaller the particle of silver, the more potential for biological activity it has.

Colloidal silver particles in commercial products of the last century were thought to range from 14 to 26 nanometers in size. The PATHOGEN ASSASSIN™ covalent silver ozone hydrosol contains silver particles with a uniform size approximating 0.8 nanometers, making it a picoscalar dispersion.

These covalent oligodynamic particles are not photosensitive, because they are trioxide monoatomic silver, sub nano-sized particles atomically suspended in ultra pure water. The technology used to make this covalent hydrosol includes [and exceeds] NASA technology.

The "oligodynamic effect" from the Greek oligos (few) and dynamis (power) refers to potent and meaningful biological actions that can be exerted by extremely low concentrations of metal ions. For over a hundred years it has been known that oligodynamic silver ions can mediate extracellular and intracellular immune challenges, due to the oxidation potential of the ion. The oligodynamic action of silver, resulting from the liberated silver ions, occurs because their charge facilitates electron displacement. The charge effectively yanks electrons away from a molecule [of the pathogen], in essence weakening the molecular bond and rendering it susceptible to cleavage. Oligodynamic silver has been shown to modulate immune events, such as promoting superoxide release and supporting healthy regulation of toxicants. Through these supportive mechanisms and others, our PATHOGEN ASSASSIN™ oligodynamic covalent silver ozone hydrosol represents outstanding immune support.*

The PATHOGEN ASSASSIN™ oligodynamic covalent silver hydrosol is the most advanced nano-silver [covalently bonded to oxygen] product on the market (manufactured by a superior catalytic reactor and other technology advanced beyond the catalytic reactor system on the International Space Station). It contains the Uniform Picoscalar Concentrated Oligodynamic Silver Hydrosol™ (UPCOSH™).

PATHOGEN ASSASSIN™ does not focus only on silver for its effectiveness. The trioxide (3 atoms of oxygen) is covalently bonded to the silver in the solution, and this solution permanently prevents pathogens from living in it, so that it remains pure and has an indefinite shelf-life. PATHOGEN ASSASSIN™ also is non-photosensitive unlike other silver products, especially colloids. The trioxide acts like hydrogen peroxide on pathogens, except it is stable and sub-nanometer in size. It penetrates the cells and reaches everywhere in the body.
Ozone \([O_3]\) is covalently bonded to silver \([Ag]\) in the PATHOGEN ASSASSIN™ UPCOSH™ picoscalar hydrosol. **The covalence in \(AgO_3\) fosters increased pathogen destruction.** Note that "O₃ selectively inhibits Human Cancer Cell Growth." "...cancer cells are less able to compensate for the oxidative burden of ozone than normal cells." \(O_3\) inhibits cancer 40-60%, and up to 90% in a dose dependant manner, yet there is no response from mainstream medicine.¹

¹1980 Aug. 22nd Sweet F, Kao M S, Lee S-CD (Dep. of Obstetrics and Gynecology, Washington University School of Medicine, St. Louis, MO) & W. Hagar (St. Louis Air Pollution Control) Published in "Science" Vol. 209:931-933.

"...Oxygen is the most important healing substance, the most effective detoxification agent, the premium blood cleanser, the most potent antibiotic, a versatile hormone, a blood clotter and declotter, and the conductor of the orchestra of the immune system."²

²Dr. Majid Ali, M.D. The Institute of Integrative Medicine, New York

Two-time Nobel Prize Winner, Dr. Otto Warburg M.D. said it best; "Pathogens, bacteria and fungi cannot live in a highly oxygenated body. The hundreds of different diseases named by allopathy (whether viral, bacterial, communicable, autoimmune or degenerative) are but symptoms of one underlying cause. That cause is hypoxia, or oxygen starvation at the cellular level, leading to internal toxicity."

\(O_3\) is such a powerful healing tool because it deals with the underlying cause through both oxygenation and oxidation. \(O_3\) taken on a regular basis in the home will, over time, safely clean all the fluid of the body, and furnish an oxygen-rich environment for all the cells in the body, providing high levels of natural immunity. The fact that it is bonded to silver gives it the strongest one-two punch on pathogens.

**UPCOSH™ Covalence and Reactivity*\**

Bacteria, Viruses, and Molds have one electron in their molecular makeup and are negatively charged. The newly formed covalent silver ozone molecule attracts the negatively charged electrons found in these hostile organisms, steals the electron from them [changing their polarity] and kills them in the process. As electrons are collected more full oxygen atoms are released from the covalent molecule. The positive charge of the molecule is maintained and the covalent molecule continues to dispatch its unsuspecting guests. These UPCOSH™ molecules are permanently suspended in pure water and are not toxic to the body. Bioavailable silver and oxygen is difficult to produce in a stable consistency, and simply adding unstable oxygen gas or hydrogen peroxide will not accomplish the needed bioavailable sub-nanoparticle-sized molecules of oxygen. PATHOGEN ASSASSIN™ supplies both with its exclusive covalent silver reactor-created molecule.

The silver ion carries its signature valence energies throughout the tiny covalent-bonded molecule, doing what silver is historically known to accomplish and better than previous silver solutions. And, the sub-nanoparticle-sized molecules of oxygen accomplish what oxygen has been historically known to accomplish as a broad-spectrum anti-microbial.

The highly conductive silver ion provides the anchoring mechanism for the oxygen ions with which to covalently bond, thereby forming a highly charged sub-nanoparticle that dispatches harmful micro-organisms more effectively than any other silver hydrosols [that do not have the covalent silver bond exclusively created by the covalent silver reactor].
This is why the covalent silver solution is used by NASA for water purification on the International Space Station - it's the best silver solution that mankind could ever produce.

Covalent bonds are significantly stronger than ionic bonds. Unlike the standard silver ion, which is missing one electron and will try to collect one electron before it is inert and no longer effective at killing bacteria or other harmful organisms, the covalent molecule will continue to attract millions of negatively charged harmful organisms and kill them. This aspect also eliminates concerns associated with silver ions combining with chloride, thereby making it ineffective. And, the UPCOSH™ covalent molecule’s highly reactive \([\text{and substantial}]\) surface area more than adequately meets the surface area criteria for being effective on hostile micro-organisms. The high-spin UPCOSH™ molecule, seen under extreme magnification, looks similar to a raspberry with numerous amounts of particles orbiting around it.

Interestingly, particle surface area is the property of a particle that translates directly to the ability of that molecule to react with its environment. Effectiveness of molecules is predicated by exposing the largest possible surface area of the particles to the areas of interest. The importance of particle surface area cannot be over-emphasized. It is the single most important attribute for determining how effectively the molecule will interact with its environment inside the human body. In the chemical world, reactivity increases with increasing surface area.

**Therefore, Let us make clear the immense distinction between conventional Colloidal Silver and Covalent Silver Ozone Hydrosol:**

- Colloidal Silver can not be absorbed into the bloodstream and cells.
- Colloidal particles are many times larger than covalent silver particles.
- Colloids are not formed by an atomic reaction. Colloids are formed by static bonding and will fall out of suspension at the slightest agitation.
- Covalent Silver Ozone has atomically permanent suspension.
- Covalent Silver Ozone is clear and not photosensitive like colloidal silver, and oxygen does the real work more so than silver.
- Colloids are too large to enter the blood stream through normal ingestion processes.
- Covalent Silver Ozone, unlike other silver colloids and hydrosols that use distilled water, will not turn acidic when exposed to the air.
- Argyria is a potentially permanent side effect from excess consumption of colloidal silver. Note: Argyria is an extremely rare occurrence and is seldom harmful; it is generally caused by the excessive consumption of home made colloidal silver or colloidal silver protein (CSP). Deposition of silver salts in the skin cause a permanent blue to bronze discoloration of the skin, and mucosa that is darker in regions exposed to UV light.
- Covalent Silver Ozone does not cause Argyria, or any harmful side effects, and you are unable to overload from its beneficial properties. We discuss this because the FDA has issued a warning about silver-containing products causing Argyria.
- Covalent Silver Ozone is permanently suspended by covalent fusion. The Silver Atom is held in permanent suspension by the covalence of many Oxygen atoms and the covalence of a single Silver Atom. The orbiting
electrons of a single Silver Atom wrap around the Oxygen Atom as the Hydrogen Atoms are being separated during the reaction. The Silver, now a covalent sub-nanoparticle, can then be ingested like any nutrient through the intestinal wall. This minute particle can travel in the blood stream, penetrate cell membranes (without damaging the cell) and eliminate disease-causing micro-organisms at the cellular level. One primary elimination process occurs when the silver ozone molecule’s positively charged electrons, orbiting past the covalently bonded Oxygen Atoms' nuclei to the outer side of the particle, make contact with a disease-causing micro-organism’s negatively charged electron (single). The charge of the overall UPCOSH™ molecule is positive due to the ratio of positively charged protons in the nucleus of the oxygen atoms being greater than the number of electrons being shared amongst the other oxygen molecules and silver ion. This is one primary factor that speaks to the superior aspects of UPCOSH™ and its unique particle.

- Significantly more infectious micro-organisms (parasites) explode on contact with our UPCOSH™ particle than with non-covalently bonded, colloidal particles (whether they be colloidal silver proteins, "hydrosol", "ionic" or any other colloidal silver products). If it is not a covalently bonded particle, it is less effective.

**Covalent Silver Ozone Benefits**

The UPCOSH™ Covalent Silver Ozone formula provides natural immunization without vaccine toxicity, and makes use of technology on the NASA International Space Station (ISS) for water purification.

PATHOGEN ASSASSIN™ is safe for mothers, babies and animals. It can easily pass through a membrane or cell wall, and effectively employs redox chemistry to steal electrons from the bonds holding the target pathogen molecule together. PATHOGEN ASSASSIN™ bonds to the pathogen to change the base molecular structure of the pathogen-critical macromolecules, rendering them unusable to the pathogen.

It also introduces trioxide into the mutated cell microenvironment which quickly changes the pH from mutation-enabling acidic to pathogen-hostile alkaline. Microbes have little opportunity to mutate or become resistant to PATHOGEN ASSASSIN™. The UPCOSH™ Covalent Silver Ozone formula is not an "oxygenated" or ionic solution. It contains an atomically-created trioxide particle. The key factor is the covalent-bonding of enormous amounts of trioxide to the trace minerals (including trace silver) in our advanced reactor system, combined with super-hydrating, fractal-encoded water and other proprietary technology.

**Covalent Silver Ozone’s Oxidation/Redox Action on Hostile Organisms*”

Free Radicals are formed naturally within our bodies to clean up toxins. However, they often are formed in excess today as a result of environmental pollutants as well as diets heavy in sugars and rancid oils (including fish oil). These excess free radicals snatch electrons from healthy molecules and are considered a primary cause of aging. The body needs help to supply these free radicals with electrons. Once these free radicals
are supplied with an electron, they can be self-eliminated from the body before they
do further harm. **The covalent bond of the O₃ particle of our oxygen silver
molecule is easily broken once in the body and becomes available to satisfy
free radicals by providing the needed electrons.**

As noted above, PATHOGEN ASSASSIN™ acts in part as a reduction/redox action, and is
therefore a scavenger of excessive free radicals. Alternatively, it is selective due to its
polarity and has an oxidation/redox action on hostile organisms that self-destruct. As
multitudes of positively charged oxygen ions bond to the negatively charged silver ions
the charge of the overall molecule becomes positive due to the ratio of positively charged
protons in the nucleus of the oxygen atoms being greater than the number of
electrons being shared amongst the other oxygen and silver ions. **The UPCOSH™
molecule, therefore at any chance, will continue to naturally attract negatively
charged electrons found in scavenging, hostile organisms, e.g., hostile, gram-
negative bacteria, viruses, molds, etc., that have one excess electron (-1) in
their molecular makeup.** They are therefore attracted to the UPCOSH™ molecules
and self-destruct once they contact the UPCOSH™ molecules, because the hostile,
gram-negative microbes release the electron from themselves, thus changing their
polarity and they self-destruct in the process. **As electrons are collected, full
oxygen atoms are released from the UPCOSH™ molecules and the positive
charges of the molecules are maintained.**

It is important to note that Covalent Silver Ozone is not an anti-microbial product
within the defined parameters and comportment of an anti-microbial. It simply supplies a
unique dietary supplementation to the body in such a manner that the hostile microbes
eliminate themselves naturally... in the absence of a polluted, unhealthy body containing
clean and healthy water that is filled with natural elements that are uniquely designed
for optimum health. As a matter of perspective; training done in medical academia
inculcates methods wherein drugs/poisons are used to “cure diseases” by killing
something in the body. However, when we observe the natural immunization aspects of
the body that allow the root cause of illness to eliminate itself due to an environment
inconsistent with the unhealthy human environment in which it can thrive, we have a
more productive system.

No claims are made that our PATHOGEN ASSASSIN™ product cures, prevents, treats or
mitigates “diseases.” Should you find that while using our product, “diseases“ are greatly
affected or reduced, it is purely coincidence. Please note that a misunderstanding about
the UPCOSH™ molecule’s seemingly anti-microbial properties is due to erroneous
medical concepts regarding what actually happens within the body when supplied with
healthy dietary supplements that allow the body do heal itself [without the drugs or
poisons indicative of the war-like approach of modern meds]. The creation of a
peaceful and clean environment within the body negates the need for war-like
approaches that form the body into a battlefield loaded with collateral damage.

"Darkness is not equal to the Light, It is the absence of the Light, and from the
Light it flees and ceases to exist”.

*These statements have not been evaluated by the Food and Drug Administration.
This product is not intended to diagnose, treat, cure or prevent any disease.*