

What are the three "states" of silver?

When creating a silver solution, always remember there are only three forms or "states" of silver that can be created. The three forms of silver are: silver *atoms*, silver *ions* and silver *particles*.

A silver atom is the smallest individual piece of silver that can exist in its complete state as silver.

A silver ion is a single atom of silver that is missing its one and only electron from its outer most "*valence*" ring. A silver ion possesses a positive charge due to its unbalanced state after the removal of its valence electron. By removing a negative portion from the silver atom (remembering that electrons are negatively charged matter), we're left with a positive balance (or charge) as there is now more positive force within the atom than there is negative force.

A silver particle is 2 or more silver atoms bonded together. As a matter of fact, a silver coin can be considered a silver particle, but just not a silver nano-particle because it is far out of range for measurement in nano-meters. This is just to illustrate that a particle is a group of two or more silver atoms (not ions.)

Silver ions will always exist as single entities unless they recover their missing electron and in-turn become a complete silver atom once again or unless they chemically bond with another ion that possesses the opposite electrostatic charge such as nitrogen, sulphur, chloride, oxygen, etc.

This will form a silver compound such as silver nitrate, silver chloride or oxidized silver for example.

These statements have not been evaluated by the FDA. While we present information suggesting benefits of colloidal/ionic silver, we cannot in any way recommend that you attempt to treat yourself with our devices or solution except under the guidance of a physician, and that you never seek to use silver-based supplements from any manufacturer as anything other than an adjuvant to conventional medical care. We do not seek to diagnose or treat any medical condition, only to provide the highest quality products and silver supplements in a marketplace saturated with solutions and devices spanning the full spectrum of quality, workmanship, and safety. Although we do not want to deter you from using silver-based products and supplements, health and wellness should be approached with a level head and plentiful information. We encourage you to consider the research and articles provided on our web site and to discuss the potential benefits of silver with your physician as an adjuvant to your current health regimen. To ensure that you and your doctor can make the best decisions regarding your health and well-being, we are happy to provide additional information to consumers and healthcare professionals alike.