

What is the "shelf-life" of colloidal/ionic silver?

Depending directly on the concentration and ratio of silver particles and ions, the particles in the solution will slowly begin to acquire the ionic content to form slightly less-effective larger particles. The stronger the concentration, the faster and more evident this becomes. This is a guaranteed act of physics that always happens to *some* degree.

In theory, if it were possible to create a 100% ionic solution with no particles present and within a 100% pure water solution - the ionic silver would not reduce into larger and larger silver particles over time and could potentially show 100% stability for many years.

Although it would be extremely difficult to create this perfect scenario, it does illustrate the correlation of time for silver ions to reduce into silver particles or become part of a particle group.

Most of the degrading-process of the ionic content will happen within the first 2-3 days and will seem to find a stable point as the particles grow to a specific size range that causes them to essentially stop the process of acquiring more ions. When a solution settles over the course of a few days you can expect to see this point of stability continue for many months before any further *considerable* decline is evident.

Glass colored bottles that are amber or blue are recommended for storage as they protect the ionic content from exposure to UV rays from sunlight. UV rays can "*photo-reduce*" the ionic content and slowly degrade the ionic portion of the solution by reducing the silver ions back into silver atoms and then particles. Glass is the material of choice as it is considered to be chemically inert - meaning it has no chemical reaction with the water or silver content.

Many types of plastic storage vessels are not recommended as they can react with the silver content and alter or degrade the integrity over time. If plastic *is* used as a storage medium then we recommend three types of plastics as your first choices: These plastics are: *PET, PETE and HDPE*.

It is highly recommended that silver solutions be stored in a dark place as an additional step toward preserving shelf-life and overall quality.

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.