

Why does the silver need to be so small?

Viruses, pathogens and bacteria are very small. In essence, introducing silver that is as small or smaller increases the ability of the silver particles to penetrate these infectious organisms.

To understand more, we need to discuss something called "*surface area*." This is a simple term used to describe the amount of exposed area of a solid object. The exposed area (or surface area) is the total amount of area that can interact or make contact with something outside of itself.

In the case of silver, we can say that this is the total amount of silver surface area that can make contact with a pathogenic material or materials. If we were to keep it simple and imagine that a silver coin were swallowed, we could easily see that there is only a specific amount of total silver exposed to a pathogen within the stomach.

Now, if we were to separate the silver coin into a 1,000 pieces, we would then expose much more silver surface area that can have even greater surface to surface contact with the contents of the stomach.

Now imagine again that we divided those 1,000 pieces of silver into hundreds of trillions of silver nano-sized particles and ions. You can quickly see that the surface area has been increased by an inconceivable order of magnitude and our original silver coin now has incomparably greater ability to make contact and interact with a pathogenic material as well as much greater penetration power.

This is why we want to always ensure that we're creating the smallest silver particles and ions in order to ensure our silver solutions provide as much surface area as possible.

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.