

# E•BOOK

# COLLOIDAL

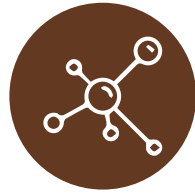
# SILVER



DISCOVER THE SECRETS  
OF THIS INCREDIBLE PRODUCT



INSTITUT KATHAROS



# SUMMARY

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# A WORD FROM THE FOUNDER

## ① A dose of curiosity...

It all started with an intriguing article: at the end of 2014, when the press was talking about vaccines being tested to eradicate the Ebola virus, the author mentioned an existing treatment that had proven itself. [Clinical tests conducted by the US Defense Department](#) concluded that the product being used exhibited strong neutralising effects against the pathogen. You have probably already guessed it, the product in question was nothing other than... **colloidal silver!**

A month later, I devoured three leading books on the topic of this solution: «L'argent colloïdal: un remède en or» (Colloidal silver: a golden cure) by Jeanne Perros, "Everything you need to know about colloidal silver" by Max Crarer and «Ultimate guide to colloidal silver» by Steve Barwick. After reading these books, my mission became clear: to share my newly acquired knowledge with the greatest number of people through a unique natural product.

## ② ...Coupled with a long period of research...

In creating the Katharos Institute, we immediately wanted to be the benchmark in terms of information on colloidal silver by bringing together [over 100 scientific studies on our French site](#). The vast majority of these studies have been published in medical journals and peer-reviewed journals.

## ③ ...To obtain a pure product.

After dissecting the scientific literature, we created a product of great purity. Indeed, everything has been chosen in the most rigorous manner possible:

- The bottle is made of amber glass and the container from recycled cardboard for better durability and deep respect for the environment.
- All of our packaging items are made in Europe to guarantee quality and to reduce our carbon footprint.
- Our silver electrodes are certified 99.99% pure and the water we use is type I ultra-pure water: it is pure to the point of being used for all the most critical laboratory applications.

Finally, I'm proud to tell you that our team is the same as it was at the beginning. And our daily mission? To offer you the best quality colloidal silver so that you and your loved ones can benefit from the wonderful benefits of this natural solution!





# HISTORY

## Before the Common Era

There are documents **dating back to several millennia before our era** : Over the centuries, silver manufacturing processes have improved to obtain colloidal silver: a powerful broad spectrum antiseptic.

## Greeks and Romans

The Greeks and Romans used metallic silver in various and diverse forms to **preserve food or to preserve numerous liquids**.

## From 370 to 470 BC

Hippocrates (460 to 370 BC), the founding father of Western medicine, **used silver preparations for the treatment of ulcers and to promote the healing of wounds**.

## 78 AD

In 78, Pliny the Elder, indicated that **silver has many therapeutic properties** and that it proves to be “very effective in healing wounds, especially when incorporated into plaster.”

## 1520

In 1520, Paracelsus, one of the greatest Renaissance alchemists, used **ingested silver as well as silver nitrate as a caustic agent for the treatment of wounds**.

## 1600

When the first pioneers were journeying over the North American continent, water was transported long distances, and it was common to **deposit silver coins in the water transport container to preserve it**.

## 1800

Dr. Carl Franz Siegmund Crede, one of the most famous German obstetricians, was a pioneer in the **use of silver nitrate in the eyes of newborns to avoid ophthalmia** : he achieved a considerable reduction in the incidence of ophthalmia reducing it from 7.8% to 0.13%!

## 1919

In his book published by Jouve Cie in 1919, «Remarques Cliniques et thérapeutiques sur l'épidémie de grippe de 1918» (Clinical and Therapeutic Notes on the 1918 Influenza Epidemic), **Dr. Prouvost commended the very good performance of intravenous colloidal silver**.

## 1950

Researcher Robert O. Becker has shown that **electrically generated silver ions can heal osteomyelitis and kill many antibiotic-resistant pathogen**.

## 1990

In the 90s, Dr. Bob Becker popularised colloidal silver in the United States. He went on to implement the Bob Beck bio-electrification protocol, which spurred him on to **manufacture a machine to make colloidal silver... at home**.







## Dosage

Colloidal silver is a powerful antiseptic that, according to Dr Margraf, can destroy over 650 pathogens. Generally speaking, **silver can be effective against infectious diseases**, including against microbes such as viruses, bacteria or fungi. Colloidal silver also has **cellular regenerative properties**, and can thus facilitate the healing of wounds, for example. In other cases, colloidal silver may not be the best option. Care must be taken in choosing the right route by which to administer it in order to ensure maximum effectiveness.

**There are three routes of administration: internal, external and nebulisation.**



**Internal:** It is recommended that the solution be left under the tongue for one minute prior to ingesting it. Also, the solution must be taken at least 15 minutes before eating.



**External:** It is recommended that it be sprayed on the skin disorder at least three times per day. Leave it to dry naturally.



**Nebulisation:** A maximum of three nebulisations of up to 15 minutes per day is recommended. Should you cough, add a little sea salt to it and shake.

Complying with the proper dose is also important in order to ensure the innocuousness of the colloidal silver. When using it for its **preventative properties**, it should be calculated at **0.14ml per kilo per day**, or 10ml for a person weighing 70kg. When using it for its **curative properties**, it should be calculated at **0.42ml per kilo per day**, or 30ml for a person weighing 70kg.

It is recommended that a treatment should last for a maximum of three months with one month off between treatments. Children can of course take colloidal silver as long as the dosage is complied with.

For pets, the same rules apply. So, if your dog weighs 10kg and is sick (curative dose), it should take about 4.5ml of colloidal silver per day.

In rare cases, taking colloidal silver may result in the symptoms temporarily worsening and in increased fatigue; this is called a Jarisch-Herxheimer reaction. This is a positive development. Should it become too difficult for you to manage, we recommend that you temporarily lower the doses by a factor of three before then returning to the doses recommended above.





## SAFETY

Many studies demonstrate the safety of colloidal silver; we have selected 3 from the dozens that we found.

A

### Scientific report on 120 years of history of silver nanoparticles

In this report, the authors show that silver nanoparticles have been used [for over 100 years](#) by humans and have even been registered as a «biocide» material in the United States since... 1954, over 60 years ago!

It should be noted that a very large proportion of biocides registered with the EPA (American Environmental Protection Agency) contain nano-silver: 53%. These biocides come in many forms: water filters impregnated with silver, alguicides and antimicrobial additives.

B

### Randomized in vivo controlled trial

First of all, it is important to understand that the randomized in vivo double blind trial is the ultimate in well conducted scientific study. Here, the researchers studied exposures at 3, 7 and 14 days in American Biotech's laboratories with a colloidal silver solution dosed at 10 PPM. This was done in a randomized, double-blind, controlled trial in humans. The 36 volunteer subjects were subjected to a battery of metabolic, blood, platelet, urinary, inflammatory, salivary, physical, vital and magnetic tests.

[The conclusion is clear:](#) No significant clinical changes, be they metabolic, haematological or urinary, were identified.

C

### Study conducted at the University of Copenhagen

In this clinical study conducted in June 2007 at the Faculty of Pharmaceutical Sciences of the University of Copenhagen, the author set out to answer the following question: is colloidal silver toxic to cells?

The researcher used A549 human alveolar lung epithelial cells as part of his study. He compared the effects of the Ionosil brand to atomic gold and to silver quantum clusters on cells to look for evidence of cytotoxicity, inflammation and possible DNA damage.

[No toxicity](#), DNA damage or inflammation was found from the Ionosil Colloidal Solution.





## CHOOSING THE KATHAROS INSTITUTE

When buying your colloidal silver solution, it is **important to consider a number of factors**. Opt for the best quality with the Katharos Institute in order to protect your loved ones.

### 1 High concentration of fine particles

We have seen the utmost importance of selecting a solution of concentrated colloidal silver containing the finest possible silver particles. The use of a more concentrated solution will contribute to better results as proven by a study published in 2007 in the scientific journal "Academic Journal".

### 2 Made with the purest water

A colloidal silver solution must be developed from the purest water possible. Added to this is special equipment to create and maintain a negative charge so that the particles remain in suspension. Although this can be done by hand, obtaining a powerful and homogeneous solution by electrolysis will provide a better quality result. This is the case with the product we offer.

### 3 Evaluated by independent laboratories

Do not risk buying a colloidal silver solution that has not been subjected to laboratory analysis. Not only is its effectiveness likely to be very dubious, it can also be dangerous. Our natural colloidal silver solution complies with the most demanding manufacturing standards and has been evaluated by independent laboratories.

### The myth of agglomeration above 10 PPM

Some of our industry colleagues say that the high concentration of our solution implies agglomeration and precipitation at the bottom of the bottle of our colloidal silver, reducing its effectiveness.

**No scientific data confirms this theory**, and we invite you to ask for scientific proof of these allegations by contacting the authors directly. It is sufficient to understand that electrolysis of just a few hours is necessary to reach 10 PPM versus 48 hours for a concentrated solution of 40 PPM, so you can better understand the economic interest of a low concentration solution.

Finally, we compiled a list of studies that show a higher concentration resulted in greater effectivity ([read more](#)).







## FAQ (1/2)

### 1 When should colloidal silver be used?

In general, **silver is effective on infectious diseases** (microbes such as viruses, bacteria or fungus). Colloidal silver also has **cellular regeneration properties**, and will facilitate healing, for example. For non-infectious diseases (e.g. diabetes, asthma, thyroid problems, etc.), it is recommended that treatments other than colloidal silver be used.

### 2 What does PPM mean?

PPM stands for "Parts Per Million". A colloidal silver solution at 40 PPM means that there are 40 milligrams of silver for 1 litre of water.

### 3 What is the benefit of a more concentrated solution?

After looking through the scientific literature, we found that many researchers have come to the conclusion that the more concentrated the solution, [the more effective it is](#). Other efficiency criteria exist, such as the proportion of ionic silver (small particles). The ideal is to have a concentrated and ionic solution.

Based on this observation, we worked for almost a year to produce ionic-colloidal silver as concentrated as possible via electrolysis: our tests allowed us to reach a **concentration of 40 PPM**.

### 4 What is the particle size of our solution?

Our solution consists of a very large majority of ionic silver (96%). The size of the silver ions is of the order of 150 picometres, the equivalent of 0.15 nanometres. For the colloidal silver (4%), the particle size is between 1 and 5 nanometres. It has been shown that the size of silver particles has an impact on its efficiency: the smaller they are, the more bio-assimilable they are.

### 5 What is the difference between ionic silver and colloidal silver?

Ionic silver is dissolved in water while colloidal silver is composed of particles suspended in water. **Ionic silver is [much more effective](#)** than colloidal silver.

Our solution is composed of 96% ionic silver, the rest being of a colloidal nature: we have carried out analyses with independent laboratories who confirm this proportion. They are on our [www.institut-katharos.com](http://www.institut-katharos.com) website.

### 6 Where is our solution made?

We are proud to say we manufacture our own solution in France at the following address:  
Institut Katharos • 59 bd de la République • 13100 Aix-en-Provence • FRANCE

### 7 What is the colour of our solution?

Our solution is totally transparent.







## FAQ (2/2)

### 8 What is the shelf life of our product?

Laboratory tests have revealed there is no expiry date (the product can be kept indefinitely). However, there is a 6-month PAO (Period After Opening): **once the flask is open, you have 6 months to use it** - these results were obtained from [independent laboratory](#) tests, available on our website.

### 9 What is the working principle of colloidal silver?

Colloidal silver destroys bacteria, viruses and other microbes in at least 3 ways, all leading to the deactivation of the DNA and proteins of the bacteria, without tissue damage:

1. Disturbance of external membrane proteins of pathogenic organisms
2. Deactivation of bacteria enzymes
3. Inhibition of the reproduction of bacteria by association with their DNA

### 10 What is the legislation governing colloidal silver?

Colloidal silver is no longer considered a dietary supplement by the European Union since 1 January 2010, although the wording has remained the same and no one has reported adverse effects. In France, it is currently registered as a cosmetic product, which implies that it can only be used externally. We have written a page with [more information](#) on this subject.

### 11 Does colloidal silver destroy good bacteria?

According to Dr. Pedersen, there is no adverse effect on the gut microbiota. Colloidal silver has the ability to destroy only primitive cell structure pathogens, thus maintaining the delicate balance of the intestinal flora by preserving the good bacteria.

### 12 Why do I measure around 20 PPM with a TDS meter (Total Dissolved Solids) while the solution is marketed at 40 PPM?

It should be noted that TDS meters are intended to measure the conductivity of water, and to do this they are calibrated with saline. However, silver has an electric potential 2 times lower than salt: therefore, to obtain a very rough estimate of the concentration of the silver solution, it is necessary to multiply the result provided by your TDS by 2. So we have  $2 \times 20 = 40$  PPM.

For reliable results, a spectrophotometer should be used, and not a simple dissolved solids measuring device that has not been manufactured for the purpose of measuring colloidal silver concentration.

### 13 I am currently pregnant. Can the product be used during pregnancy?

To our knowledge, no studies have shown risks related to colloidal silver in pregnant women, to the contrary, an in vivo study in mice has shown that there are no risks ([see article](#)). For doses, refer to the dosage section.





## YOUR OPINION IS IMPORTANT

We hope that this eBook has been useful to you and that you have been able to benefit from the many virtues of this wonderful natural product that is colloidal silver: we put our heart and soul into its manufacture every day with the greatest care.

### Can you help us?

The reviews posted are invaluable: without them, we would not exist! Being a small family business, your comment would give potential buyers important additional information. We would be extremely grateful if you could give us two minutes of your time to share your experience on Amazon or on any of our distributor websites such as Health Monthly.



On Amazon, simply follow these steps:

- 1 Once logged into your Amazon account, go to "Your Orders"
- 2 Find the order for your colloidal silver
- 3 Click on «Write Product Review» and leave your comment

A big THANK YOU for contributing to our development: you have helped to provide employment for four people.

**NOTE:** If you have encountered a problem, please write to us at  
[contact@institut-katharos.com](mailto:contact@institut-katharos.com)

As founder of the Katharos Institute I promise to find a solution quickly.



SOOTHE



PURIFY



PROTECT

