



**Health House**

# Colloidal Silver Generator

Instructions for use





# Colloidal Silver Generator

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## **Colloidal Silver Generator instructions for use**

Congratulations, you have just purchased a top quality, reliable, NZ Colloidal Silver generator that is simple to operate, cheap to run and guaranteed for 12 months.

### **What is Colloidal Silver?**

A colloid is a liquid in which extremely small, electrically charged particles are held in suspension. Silver, as a colloid, kills over 600 disease causing organisms like, bacteria, viruses, fungi and parasites, all in a matter of minutes upon direct contact. It does not attack them directly, but destroys the enzymes they depend on for oxygen. Therefore resistant strains cannot develop and the body does not develop a tolerance. Colloidal Silver is therefore both a remedy and a preventer of infections of any kind.

Silver also appears to be an essential trace mineral for our body, as virtually everybody who takes Colloidal Silver reports superior health and a more effective immune system.

Colloidal Silver also works equally well for pets, farm animals and plants. You can take it internally or apply it externally as a spray, in a nebuliser or on a soaked pad.

## **Please carefully read all instructions before starting**

Included in your kit:

- 1 x 240 volt to 28 volt output Colloidal Silver Generator.
- 2 Silver rods of 99.9% pure fine silver, 2 mm gauge x 140 mm in length.
- 1 black plastic silver rod holder.
- Instructions for use.

You will also require (not included):

- Glass jar 250ml to 2000ml (2 litre). Size is not critical.
- Distilled water.

## **Silver rods**

The silver rods will gradually be used over time, but should last for years with normal use and make over 200 litres of Colloidal Silver at 5ppm (parts per million) concentration before being used up completely. Only the rod carrying the positive current (red alligator clip) is used and becomes thinner, therefore swap them around from time to time to even out the wear. New, pure silver rods are available from the suppliers of this unit. Never use sterling silver as it is only 92.5% pure and may contain nickel which is a toxic metal.

## **Water purity**

Water purity is vital. It is one of the main factors that controls how small the particles of silver will be. Only distilled water should be used. Anything else will produce an inferior Colloidal Silver. Minerals, especially chlorine, can combine with the silver to produce inferior compounds such as silver chloride.

You can obtain your own distilled water by using a home distiller, but generally it is just as economical and less trouble to purchase it ready-made from most NZ supermarkets under the brand name Pure Dew. However, in recent years the purity of Pure Dew distilled water has been changed from 2ppm (parts per million), which is ideal for making Colloidal Silver, down to about 1 ppm. Some batches of Pure Dew are now so free of minerals as to barely conduct electricity. Consequently it can take two hours or more for your generator to slowly build up sufficient silver in a litre of water (from 1 ppm to the 2ppm) sufficient for generation to start at the normal rate. This starting point is indicated by what looks like smoke drifting in the water near the silver rod connected to the red terminal.

Therefore, if there is a long delay before you see this drifting smoke, you can consider adding up to 5% filtered tap water, or 20% of previously made Colloidal Silver, to the distilled water, to bring it up to 2 ppm. This should not affect the quality of your Colloidal Silver.

## **How to operate**

**To make a standard solution – 5ppm or 10ppm.** Colloidal Silver is effective at 5ppm (parts per million). A 5ppm solution should have a pale gold hue after being allowed to stand overnight and then compared side by side with plain water in transparent glass. A 10ppm solution will have a stronger gold colour.

Always make your Colloidal Silver in a glass container and away from strong direct sunlight, or shield the water from sunlight in some way. Colloidal Silver particles soon lose their positive electrical charge and clump together under the influence of sunlight.

**Step 1:** Fill a 250ml to 2000ml size jar with distilled water (see section above on the importance of water purity and how to increase starting mineral content to 2ppm). The size of the container is not critical as the Colloidal Silver particles will disperse evenly when the water is stirred afterward. A 750ml preserving jar is ideal.

**Step 2:** Remove the two silver rods attached to the black plastic rod holder and insert them into the two holes in the holder. Then clip the black and red alligator clips onto the end of each one as illustrated in Fig 1. The order is not important as both rods are identical. These clips have a dual purpose; to carry the low voltage current to and from the generator, and to hold the silver rods in place.

If the jar you use is shallower than the silver rods, the rods can be left protruding further out of the top of the black plastic holder, and the alligator clips moved further down. Even if less than half the silver rod is immersed in the water it will still work. The rods should not touch the bottom or



Fig 1.

sides of the glass as this encourages sediment to build up on the rods.

**Step 3:** Insert the silver rods into the distilled water using the top rim of the jar as a support. Keep the rods parallel to each other. You may need to bend them slightly.

**Step 4:** Plug the generator into a normal 240 volt household outlet and switch it on. The red light should glow. You are now making Colloidal Silver. At first the reaction proceeds very slowly. For 1 to 5 minutes nothing may seem to be happening. But you should soon see a smoke-like mist drifting in the water around the silver rod connected to the positive red alligator clip.

Begin timing from this point. This normally happens within five minutes for recommended 2ppm distilled water, but it can be very much longer, up to four hours for 0ppm pharmaceutical grade purified water, or 2 hours for 1ppm water.

**Before suspecting your generator of malfunctioning, do a test using tap water.**

**The mist should quickly appear.**

From this point on, the water may become a little cloudy. If the smoke-like mist should form almost immediately, (within 30 seconds), it is a sign that the water is not distilled and/or has too high a mineral content. This will not make satisfactory Colloidal Silver. It will produce a grey or muddy brown solution which has been found to be inferior in laboratory tests.

**Step 5:** Time your total generation time from the moment you see this smoke-like mist. Use the following guidelines for varying amounts of distilled water to either 5 or 10ppm. The timer on your stove can be useful for this purpose.

| Container size   | 5 ppm       | 10 ppm      |
|------------------|-------------|-------------|
| 250 ml water –   | 15 minutes  | 25 minutes  |
| 500 ml water –   | 30 minutes  | 50 minutes  |
| 750 ml water –   | 45 minutes  | 75 minutes  |
| 1 litre water –  | 60 minutes  | 100 minutes |
| 2 litres water – | 120 minutes | 200 minutes |

Some experimentation with generating time, and water quality, will probably be necessary until experience is gained. You may decide to purchase a Colloidal Silver ppm Meter and measure the ppm as you generate. This takes away all the guess work.

**Step 6:** About two thirds of the way through the generation process, the generator should be switched off and the silver rod assembly removed from the water and the rods wiped with a tissue or paper towel, and then put back in the water again and the generator switched back on. This wiping should ideally be done twice, or even three times during the last third of the generating cycle. One rod will have a light brown coating and the other a dark brown coating. Wiping is not essential, but it does keep your Colloidal Silver solution cleaner.

Be sure to turn off or unplug the generator unit before removing the silver rods from the water, as the rods can short circuit together on a stainless steel bench top and cause minor sparking, or even overheating of the generator if it continues for a number of minutes.

**Step 7:** When you have finished generating, switch off the unit, remove the rods and briefly stir the Colloidal Silver with a non-metal stirrer. If using a ppm meter, always stir before measuring to ensure an accurate reading. Then filter out any silver rod sediment from the solution by pouring it through a paper towel or clean cloth, or just allow it to settle overnight and then decant it. It will probably still look a little cloudy at this stage, but when the Colloidal Silver has been left to clear overnight and any impurities have settled out, it should be clear and have a discernible golden colour when compared with plain water. This will be more noticeable after 36 hours. If you should accidentally leave the generator on too long and end up with a dark gold solution, don't try and dilute it with more distilled water, just use it as is. Any surplus silver will plate out onto the sides of the jar.

**Step 8:** If you prefer, you can afterwards shine up the electrodes again with a scouring pad. However this is not necessary, just a thorough wipe with a paper towel is normally sufficient. If you do use a scouring pad, also wipe the rods afterward with a paper towel.

## **How to store your Colloidal Silver**

Once you have made high quality Colloidal Silver it is important to protect it and ensure that the silver particles maintain their positive electrical charge and stay separate from each other in suspension.

Like charges repel each other and anything that removes this positive charge from the particles will degrade the effectiveness of the Colloidal Silver by causing the particles to clump together.

Sunlight, magnetic fields of home appliances like refrigerators, and some cheap plastics can cause this process to occur, and will also usually darken the solution.

Colloidal Silver is therefore best stored out of the refrigerator, and in a dark glass container. Clean beer or ginger beer bottles are ideal. Clear glass can also be used, provided it is kept in a dark place such as a closed cupboard or cardboard carton.

# This popular book will tell you everything you need to know about Colloidal Silver

This NZ book "Everything you need to know about Colloidal Silver" by Max Crarer, the NZ pioneer of Colloidal Silver, is extremely interesting. It tells you how to use Colloidal Silver, what it will do for you, what costs are involved, the illnesses it can heal and germs it can kill.

This is a very popular, easy to read book with large print. It also includes many interesting testimonials from users of Colloidal Silver.

**This book answers the questions below and numerous others about Colloidal Silver.**

- What is Colloidal Silver?
- What is a Colloid?
- Where on the body can it be used?
- Who can use it?
- Why should we treat ourselves with Colloidal Silver?
- Are there any side effects?

You will find other less obvious uses for Colloidal Silver in the book, like extending the life of your milk, sterilising water and contact lenses and preventing fermentation in fruit salad.

*"We hear a lot of tripe about no cure for flu. Tell that to anyone who uses Colloidal Silver. In the three years I have been using it, I've never had so much as a sniffle. I also suffered from Conjunctivitis that used to laugh at antibiotics. A friend sprayed some Colloidal Silver and in half an hour my eyes became brand new. Just magic!"*

Author Max Crarer, Kiwi pioneer of Colloidal Silver.



## Colloidal Silver Book

[www.healthhouse.co.nz](http://www.healthhouse.co.nz)

0800 140 141

# Take the guess work out of making your own Colloidal Silver by using this ppm measuring meter.

**This Colloidal Silver ppm Measuring Meter is simple-to-use and comes with a 1 year guarantee**

This improved design Colloidal Silver ppm Meter is made personally for Health House by the NZ designer of the world's top selling ppm meter for hydroponic growers (called 'The Truncheon'). It is an excellent little state-of-the-art, electronic, battery-operated meter that is of very high quality, yet only about half the price of an imported meter. No more guessing.

To measure the ppm content of silver in Colloidal Silver, you need to first measure the ppm content of the distilled water before you start generating your Colloidal Silver.

These ppm meters accurately read the mineral content of water, but they cannot determine what the minerals are.

This requires a Spectrometer costing hundreds of thousands of dollars. This high quality, precision digital ppm meter is guaranteed for one year.

**Colloidal Silver ppm Test Meter**



Reads 0-99 ppm  
(parts per million).

## Trouble Shooting/Hints

- ▶ The red light should display when the generator is operating
- ▶ If the alligator clips are briefly touched together a small spark should be generated when the generator is in operation
- ▶ Ensure the clips are firmly attached to the silver rods
- ▶ Ensure the silver rods are in good condition
  - Clean with a cloth to remove brown coating
  - Silver rods can be shined with scouring pad or brillo pad
  - Occasionally change the rods from the red terminal to the black terminal to ensure even use
- ▶ If generation is slow try the following
  - Add some colloidal silver or up to 5% filtered tap water, to the solution before commencing
  - Test with tap water (see page 7)





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