

# Setting Up and Using the “Little Black Box” Small-Particle Colloidal Silver Generator

*First of all, we THANK YOU for your purchase from ColloidalSilverHowTo.com!  
We hope we'll have the opportunity to serve you again in your quest for optimal health.*

*If you have any questions, please feel free to contact us at:*

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Remember to never leave your Black Box Generator unattended during colloidal silver production.

Below is a list of steps in using your “Little Black Box” Small-Particle Colloidal Silver Generator with our own Silva-Cap design. We have found that it is probably the simplest and least expensive black-box style colloidal silver producing generator on the market. We use this generator exclusively in producing our own colloidal silver for ourselves and our household.

Know that your generator has been tested prior to shipping to make sure that it will work properly when it has arrived. And know that you have purchased the means to make highest-quality colloidal silver for a fraction of the cost of other generators, and you will be able to produce very high colloid, extremely stable small-particle colloidal silver for mere pennies per quart!

## *Steps to Getting Started: Making High-Quality Stable Small-Particle Colloidal Silver*

1. We recommend that you unpack the box, lay everything out on a countertop near a household electrical outlet, and rinse or wash the following items: Please hand rinse the 1-quart jar and Silva-Cap with hot water, and rinse thoroughly. (The rigid PVC tubing extending into the jar from the Silva-Cap is NSF approved and rated safe for contact with foods or beverages.) Please now unwind the air hose (the clear vinyl tubing), rinse the hose under warm water, and wipe dry. Installed at the base of the vinyl tubing is an anti-kinking spring. Allow the spring to move freely. (The vinyl tubing used with the air pump is also NSF approved and safe immediately from the carton. We just want any residue accumulated in any process in getting the generator to you to be rinsed away.) If you purchased silver rods with your generator, we suggest that you clean these rods first, by rinsing them in warm water, drying them, and then lightly cleaning them with the green abrasive pad included with your rods. Then, wipe the rods with a clean, dry paper towel.
2. Next, find a location to make your colloidal silver. We recommend a place, usually the kitchen, away from direct sunlight and near a household electrical outlet.
3. Next, fill your clean jar with distilled water. It's okay to fill it up to the level of the jar threads where the

Silver-Cap screws on.

4. Take the Silva-Cap, and install your 12-gauge or 14-gauge silver rods from the underneath side of the cap. Install them one at a time through each of the smallest rubber supports in the cap. Push each rod through the rubber support until approximately 1/4" to 3/8" appears from the top of the cap.
5. Install the Silva-Cap onto the jar. This might require carefully lowering the lid, with both rods and the PVC air pump support tube. Then, carefully turn the jar while holding the lid until the lid is snugly tightened onto the jar.
6. Check to make sure that the silver rods are parallel to each other in the distilled water. The rubber supports will hold the silver rods in the ideal position, but check to see if you need to adjust them slightly from outside the cap so they are parallel inside the distilled water, and not touching at their tips.



7. Next, install the clear vinyl tube which you have unwound from the Black Box into the Silva-Cap by pushing the free end of the tubing through the clear PVC rigid air tube support in the Silva-Cap. Push the tubing all the way through the rigid tube until approximately 1" of the tubing is visible beyond the end of the rigid pipe inside the jar of distilled water. This will direct the air bubbles away from the rigid tubing so that water does not bubble up through the pipe. *Please note: There are 2 air access holes on the side of the Black Box with the on-off switch. Please make sure that these air holes, which supply air to the air pump inside the Black Box, remain open and unobstructed during the colloidal silver production process.*
8. The 4th black ring in the Silva-Cap is to allow air generated by the air pump to escape. So it is to be left open and free of obstruction. (If you have water splashing out this hole as you begin production, simply stop production, make sure the air tubing is extended beyond the rigid tube inside, or pour out approximately 1/2" of the water by removing the lid <by turning the jar, and not the lid>).
9. Next, on top of the Black Box opposite the vinyl air tube, you will find the low-voltage wires. Unwind the low-voltage wires enough to provide you ease of operation. Apply the alligator clips one clip to each of the extended silver rods visible above the surface of the Silva-Cap. It does not matter which colored clip attaches to which rod.
10. Unwind the electrical cord from the side of the Black Box. Plug the cord into a standard household electrical receptacle.
11. Turn the switch on the side of the box to the "on" position. The air pump located inside the Black Box will be activated and immediately bubbles will be seen and heard moving through the distilled water. You will also be activating the low-voltage transformer inside the Black Box, and a very low voltage of electricity will begin moving into the silver rods.

You are now making very stable, extremely high quality small-particle colloidal silver!

*After you have finished production: Clean-Up & Storage*

When you have finished your colloidal silver production, I suggest



you follow these simple steps:

1. Turn the Black Box “off” with the switch on the side of the box.
2. Unplug your Black Box from the household receptacle.
3. Pinch the alligator clips to free them from the silver rods, and lay aside.
4. Remove the vinyl air tube from your jar, and dry with a paper towel. (You may determine that your vinyl tube can be shortened to make production easier after making colloidal silver several times. Determine the length of tubing that will work best for you and simply shorten the tube with a pair of scissors.) After drying, gently bend the anti-kinking spring toward one of the black knobs on top of the Black Box. Then, in the same direction you have bent the spring, wind the vinyl tube in a figure-8 configuration around the two black knobs. Tuck the end of the tube beneath one loop of tubing to secure.
5. Next, begin winding the low-voltage wire with the alligator clips in a similar figure-8 fashion around the second pair of black knobs on top of the black box. Similarly, tuck one or both of the alligator clips beneath one loop of the wires, or use the black wire tie that secured your wire during shipping, to secure the low-voltage wiring.
6. Finally, take the power cord, and begin the same figure-8 winding around the black knobs on the side of the Black Box. Again, to store, tuck the plug end beneath one loop of the wound cord.
7. Your Black Box is ready to store until your next colloidal silver production time.
8. For the jar containing your colloidal silver, I recommend the following: Unscrew the Silva-Cap from the jar and gently remove the silver rods.
9. Dry and lay the silver rods on a paper towel. Use the paper towel to initially clean the silver rods to remove any silver oxide that might have formed during production. If your silver rods appear dull, LIGHTLY scour the rods with a green scouring pad (included if you purchased silver rods with your generator) to clean. Wipe the rods down with a paper towel, and place back in your ziplock bag (with the scouring pad). Set aside. Later the bag containing your silver rods can be stored inside your colloidal silver production jar until your next production period.
10. Rinse, wipe clean, and dry your Silva-Cap. There is no harm in washing the Silva-Cap in warm soapy water. Just be sure to rinse thoroughly to remove any soap residue.
11. If you see silver oxide particles floating in your colloidal silver solution and/or resting on the bottom of the jar, pour the colloidal silver through a coffee filter within a basic kitchen funnel into a clean storage jar. This will be the colloidal silver that will serve you and your family over the days/weeks/months ahead.
12. Next, clean the colloidal silver production jar with warm soap and water, or clean in the dishwasher, and rinse thoroughly. Allow to dry.
13. Now, place your silver rods packet inside your colloidal silver production jar. Attach the Silva-Cap, and store in a location with your Black Box until you are ready to make another quart of colloidal silver.

Below are some general comments and Frequently Answered Questions about our process:

*How long will it take to produce colloidal silver using the “Black Box” generator?*

Generally, I make a very nice, clear and stable batch of small-particle colloidal silver in approximately 3 hours. Some people produce for longer periods of time, and some for shorter periods. A laser pen light is included with your purchase. I suggest that you check your colloidal silver with the laser pen light after 2 hours, and then every 30 to 45 minutes or so after that. After a few batches, you’ll soon know how long it will take your generator to produce the level of colloids you are happy with. Unplug your Black Box (to stop the bubbles and allow the water to calm) to check progress, and make sure you check with the laser pointer in a darkened room. Watch for a fairly dense but translucent beam of light when shining the laser through the jar of water.

Know that because you are agitating the water during production, you are making a very stable, high colloid form of colloidal silver. It will continue to remain in a colloidal state (never changing color by turning

yellow or amber with age) because particles are remaining suspended throughout the life of the product. Recent lab tests on colloidal silver produced by this generator have shown that particle size you are producing is as small as 1nm (nanometer), viewable only at 200,000x magnification. (Please see the website for these study results.)

*What is the Parts Per Million (ppm) reading of the colloidal silver I am producing?*

If you've read my website information, you will notice that I am not a big fan of TDS meters because they are incapable of measuring true colloids. TDS meters are designed to measure "impurities" in tap water, and electrically charged ions only. You are generating true suspended colloids, and very little ionic silver.

Depending on the quality of the TDS meter used, after 4 to 5 hours of production, you might receive a TDS meter reading of as little as 4ppm from standard off-the-shelf TDS meters, to as high as 16ppm of relative silver ionic content from a PWT meter.

However, after reliable testing, your colloidal silver will contain:

\* 2 hours production time: 16ppm (Commercial, retail level of colloidal silver products. I use this level of ppm when I take CS orally as a daily mineral supplement.)

\* 3 hours production time: 30ppm

\* 4 hours production time: 40ppm

\* 5 hours production time: 60ppm (This is the level of colloidal silver I use in oral and nasal misters because I experience better results. I also use this level of ppm when I am aggressively fighting off an affliction.)

*For higher ppm concentrations, simply produce your colloidal silver for longer periods of time.*

You will soon find through use and experience that your small-particle colloidal solution is EXTREMELY effective in treatments, and EXTREMELY stable over time. (Even after 8 months, my colloidal silver has remained clear, and provides me with the same results as the day I made it). So please: **Do Not rely on a TDS meter to judge the quality or effectiveness of your colloidal silver.**

*I see "gray stuff" beginning to form on one of the rods. Should I be concerned?*

During the course of production, it is not unusual to begin to see a black coating forming on the negative silver rod (normally as soon as 30 minutes into production). As production continues, a gray coating will form on this rod, and will build in volume the longer your production period continues. Some customers stop production and wipe the rods clean when volume on the rod accumulates to the point that sections break off and float in your colloidal silver (this occurs during longer production periods). This material is simply silver oxide, is harmless, and can be filtered away if it becomes free and floats in the water prior to colloidal silver production ending. It is a by-product of colloidal silver production, when running a very low current through distilled water. Know that the longer your production is in process, the more silver oxide will form. Again, it is a harmless bi-product of the process. It does not affect the ppm readings for colloid content (both particle and ionic silver). All of the remaining silver oxide that might still be present will settle out to the bottom of your storage jar over time. Just know that it is harmless and does not affect the quality, longevity, effectiveness or stability of your product.

*Should I filter my colloidal silver solution after production?*

I always filter my colloidal silver after production. I simply use a clean kitchen funnel (plastic), line it with a standard coffee filter (you may use whatever filter you are most comfortable with), and pour my colloidal silver through the funnel and filter into a clean jar for storage. I use all glass jars when I produce and store my colloidal silver. I then store my colloidal silver in the kitchen cabinet away from direct sunlight.

### *How much colloidal silver should I consume?*

I use colloidal silver as a nutritional supplement, to enhance the level of health in my body by better enabling my body to care for itself. Therefore, during the summer months, I hardly take colloidal silver at all because (fortunately) I and my household are generally quite healthy. During the fall, winter and spring months, I generally take 1 Tbl. of the 12ppm colloidal silver per day, especially when I become aware that there are colds and flu in the air. I then increase dosages and numbers of dosages throughout the day if I feel that I am possibly becoming ill. For children, the general consensus is that they take half the adult amount. But as always, for recommendations on consumption amounts, please consult your natural health practitioner.

Most often, though, I now take colloidal silver via a nasal mister and inhaler mister. These methods provide me with superior protection over time, and require that I make colloidal silver far less often. This also means that I am producing less colloidal silver than before, and therefore my silver rods are lasting even longer!

### *Are there any negative side effects to consuming colloidal silver?*

Frankly, in the dosages described above, over the years I have consumed colloidal silver, I have encountered no ill effects. The “blue man” syndrome we’ve all been frightened into believing is a risk can only be experienced, from my reading and personal use, if you produce colloidal silver 100x stronger, and consume upwards of 1 quart to 1 gallon of this super-strong solution per day on long periods of weeks and months. There is also evidence that persons adding salt or saline to their water during production are generating extremely large amounts of silver chloride, which can be harmful in large doses, and is thought to create the “blue man” syndrome. So I don’t recommend using salt or saline during production.

However, with that said, I do recommend that you begin your colloidal silver regimen with the lowest ppm product (12ppm) and, if you are taking colloidal silver as a mineral supplement, stay with this ppm level for a while until you find yourself requiring or needing more to achieve the results you desire.

**If you experience ANY negative side effects that you feel might be related to the consumption of colloidal silver, immediately stop its use and contact your natural health professional for advice.** Negative side effects are virtually non-existent, but possible. So responsibly begin colloidal silver in low ppm colloid densities and increase densities and consumed amounts gradually.

### *Are there any other uses for colloidal silver?*

I use colloidal silver for many things. When I have sinus issues, and feel a sinus infection may be on its way, I put colloidal silver in a mister bottle (available on our site), and spray each nostril 3 to 6 times every few hours until the symptoms go away. I spray colloidal silver on scrapes, cuts and sunburns to eliminate inflammation and infection. The uses are endless!

Please visit our website often for more ideas, more information, and feedback from customers like you!

*Thank you again for purchasing from ColloidalSilverHowTo.com!*

*I hope we hear from you again in the future!*

*If you have any questions, please feel free to contact us:*

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