

The Deluxe Colloidal Silver Generator

By Ken

Adachi

Colloidal Silver (CS) is produced by an **electrolysis process**. The making of colloidal silver requires 2 silver electrodes to be placed in a glass container of water and the appropriate electric current applied. The vast majority of CS generators being offered today use batteries in a series wired arrangement which supply DC voltage and current. With battery voltage potential applied, the water acts as a conductive medium as tiny particles of silver sinter off one of the silver electrodes and go into the water. Ideally, the silver particles should remain suspended in the water as a *colloid* solution due to the **positive electric charge** on each silver particle which allows the particles to repel each other and remain suspended.

Many individuals advertising CS generators for sale are making claims of superior or unique generator design, but in reality most of them are assembling a **standard**, series battery design generator based on ideas freely provided by physicist Dr Bob Beck at lectures given at alternative health expos throughout the United States from 1993-98.

Standard CS generators will indeed produce colloidal silver, however, the standard generator design has a flaw. It produces an undesirable phenomena called **current runaway**, especially when used in conjunction with a production method which calls for a pinch of salt to be added to the water or allows the use of non distilled water. The use of salt or non distilled water will produce **undesirable byproducts along with the colloidal silver**. These byproducts include *silver oxide* and *silver chloride*. In addition, the use of non distilled water can produce yet other *silver salts* due to the silver particles combining with minerals found in the water (E.g. tap water, spring water, well water, etc.). When using a standard generator design, the CS solution will sometimes appear black or gray in color and can produce *puddles of silver* which float to the top of the solution *even* when distilled water is used and the pinch of salt is avoided. Why? *Because of current runaway.*

Educate-Yourself modified the standard generator design based on the work of scientist/inventor **Merlin D. Wolf**. Merlin had suggested important CS generator circuit design improvements which allows the user to produce an **extremely high quality grade** of colloidal silver **without** the undesirable byproducts mentioned above. In addition, Merlin has worked out a **better production protocol** that further enhances the quality and quantity of CS produced, even for **first time users**.

Merlin's design improvements include a method of limiting the current in such a way as to **prevent current runaway**. A few CS generator makers have attempted to address the problem of current runaway by limiting the current, however, the circuit design chosen by these manufacturers has *also resulted* in **lowering the applied voltage dramatically**. . The problem with lowering the applied voltage is that it **takes much more time** (3 hours

instead of 30 *minutes*) to produce a given concentration of colloidal silver using this type of voltage limiting generator.

The Merlin Wolf design improvements incorporated into the **Deluxe Colloidal Silver Generator** will **maintain full applied voltage** while **simultaneously limiting the current**. This **prevents current runaway** from occurring. By using the Deluxe Generator in conjunction with the 5 pages of step-by-step instructions provided with the generator, the first time user can produce a finer quality colloidal silver than the extremely expensive CS sold in health food stores. Colloidal silver produced with our Deluxe Colloidal Silver Generator has demonstrated a **shelf life of over 4 years** without the need for stabilizers. Many brands of colloidal silver sold in health food stores would have a **shelf life** of only a **few weeks** without the **addition of stabilizers**. Stabilizers, however, **should be avoided**.

There are 2 versions of the Deluxe Generator available. The DC version only uses batteries and can be taken anywhere to make CS on the spot. The AC/DC version has both batteries and an AC transformer power supply that allows the generator to be plugged into a wall outlet if you don't want to use the batteries or run low on battery energy. The physical description of the generators are as follows:

- *The DC Deluxe Model Colloidal Silver Generator* is housed in a black plastic box measuring 2.75" x 4.6" x 1.5", and runs on three nine volt batteries. It has two LEDs, two switches, one set of 6 inch silver electrodes, a jack for the silver electrodes, one incandescent grain-of-wheat bulb, as well as an additional circuit design that distinguishes it from generators sold by others. This special circuit controls current 'runaway' while maintaining the voltage at an optimum level, a benefit not offered by others who advertise current limiting generator designs. This design greatly reduces the need to clean the electrodes while simultaneously providing a more "foolproof" production method that guarantees an excellent batch of colloidal silver the first time, and every time. The set of 6 inch silver electrodes provided with the generator are molded and bonded to a rubberized 6' cord and terminated with a 3.5 mm plug. This unit is available as a premium gift for a donation of **\$110**.
- *The DC Deluxe Model Generator with AC Wall Adapter* offers all the features of the Deluxe model with the addition of an AC input jack, an internal power supply, and an AC transformer which allows for operation from a wall outlet. This option saves on batteries as well as offers you the opportunity to make colloidal silver even when you run out of battery power. A useful option to consider if finances permit. Offered as a premium gift for a donation of **\$150**.

See photos below:



Obtaining **extra replacement silver electrodes** with your generator is highly recommended. See the [Products](#) page from our web site for a description of the various lengths and thickness of silver electrodes available. You can learn more about colloidal silver by obtaining a copy of our book, *[Silver, The Forgotten Antibiotic](#)* (\$20) .

Wishing you good health *naturally*, Ken Adachi

Web site: <http://educate-yourself.org>

E Mail: Editor@educate-yourself.org