

Animal health applications with emphasis on horses.

## Sanogene®

**Sanogene®** is a disinfectant with a wide range of applications in animal health.

**Sanogene®** kills all types of microorganisms (bacteria, virus, fungi, mold) and can be used for the stable environment, equipment and objects around the animals.

These applications are thoroughly tested, and approved by government authorities in many countries, including Sweden.

**Sanogene®** used on the exterior of the animal has also been documented for a long time including a Doctors Thesis from Mexico already in 1969, displaying very good results.

Treatment of all superficial wounds and infections caused or aggravated by microorganisms heals quicker than with other regimes.

Since the range of applications is so wide, it is necessary to understand the capabilities of **Sanogene®** to be able to use it optimally. Self-evidently the treatment of entire stables is done differently than any local treatment of a wound or infection.

Since long, oxy-chloro compounds are used in the USA and other countries to treat problems with both soft and hard tissue on the feet and legs of animals.

Examples of such substances:

Clean-Trax® (Equine Technologies Inc, Sudbury, MA, USA)

Active ingredient: Buffered hypo-chloric acid.

White Lightning® (Grand Circuit products LLC, Louisville, KY, USA)

Active ingredient: Chorine Dioxide

Microcyn® (Oculus Innovative Sciences, Petaluma, CA, USA)

Active ingredient: hypo chloric acid and hypo chloric ions.

The later is also sometimes referred to as "super cleaned water".

How does **Sanogene®** compare to these products?

The active ingredient is Chlorine Dioxide, and it comes with a near neutral pH value, which is an important factor when treating wounds. High or low pH renders slower healing, and may be painful on application if too far from neutral.

Specifically: What can You use **Sanogene®** for?

The answer is much, very much.

Thrush, white line disease, hoof cracks, hoof abscess, mud fever, ringworm, pastern joint infections, wound treatment, and more.

How do You use **Sanogene®**?

One portion sachet **Sanogene®** is activated by mixing it with citric acid from the activator sachet.

Wait 5 minutes for the activation process, while the mixture turns deep yellow.

Dilute with water to one liter to achieve a 500ppm solution. This is necessary for the most infected areas, like a hoof abscess. For normal maintenance 200-250ppm is enough, which means that the mixture can be diluted to 2 -2,5 liters. For simple shallow wound treatment 100ppm may often be enough. (Dilute to 5 liters.)

After activation, the solution stays active for up to 14 days if stored out of sunlight. Used solution loses effect much quicker, but there is never a problem using the same solution to treat all four hoofs if utilizing a hoof-boot or similar.

Normally the treatment time shall never exceed 10 minutes because by then all microorganisms are killed off. When treating hoofs it is however favorable to put a tight bag on the hoof for the next 30 minutes after active treatment is ended. The reason for this is that the body temperature will create fumes that may be able to reach areas where the liquid may not.

Treatment of infections is at least daily, while maintenance is conducted according to need and may be somewhere from every week to every month.

The solution may of course be utilized to disinfect everything in the stable, except the food. Always remember that **Sanogene®** is a fast acting disinfectant, and should never be left to “act over night”, or similar.

No microorganism will survive 10 minutes of treatment with 500ppm.

Most will be dead within the first minute and some viruses within the first few seconds.

By using **Sanogene®** in a fogging device it is possible to suppress the number of microorganisms in the entire stable to a level where the immune system of the horses takes care of the infections inside of them and you provide an environment where they don't have to fight off excessive numbers of bacteria and viruses from entering their system. Dust levels is also diminished by this. A weekly or bi weekly regime has given very good results in some Swedish racing stables for trotters. Individuals stay healthier, and can train more efficiently, and wins more money. Needless to say the fogging is done with the stable emptied, and repopulated with the animals after 30 minutes.

We are very pleased to be able to state that in spite of its tremendous efficacy **Sanogene®** is still a very well environmentally adapted, and breaks down to water and simple salts like sodium chloride.

With the concentrations needed for the procedures above we almost never advocate any use over 1000ppm, which is equivalent to 1gram per liter solution. Everyone can understand that the amount of broken down product is almost neglectable.

You are welcome to ask any questions in regard to this remarkable product.

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