

# Colloidal Silver & Other Natural Antibiotics for Alpacas & Llamas

by

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## What is an antibiotic?

***Antibiotic*** (ān'tī-bī-ōt'īk), noun

Any of various chemical substances, such as penicillin, that is capable of destroying or weakening certain microorganisms, especially bacteria or fungi, that cause infections or infectious diseases. Antibiotics drugs are usually produced by or made synthetically from other microorganisms, such as molds. They inhibit pathogens by interfering with essential intracellular processes, including the synthesis of bacterial proteins. Antibiotics do not kill viruses and are not effective in treating viral infections.

Antibiotics belong to a category of drugs called "antimicrobials," and include penicillin, tetracycline, amoxicillin and many other formulations that can kill or inhibit the growth of bacteria without causing significant harm to the patient. Antibiotics were initially derived from natural compounds. Many organisms, including various types of fungi, produce substances that destroy bacteria and prevent infection. Penicillin, for example, is derived from mold. Today, there are hundreds of antibiotics in use, most of which are synthetically produced.

Since the accidental discovery of penicillin in 1929 by Alexander Fleming, antibiotic use has saved countless lives – human & animal. Unfortunately, antibiotics are losing their effectiveness. Today, modern medicine faces the challenge of antibiotic resistance, thanks to the overuse of antibiotic medication.

“Interestingly though, back in the 1930s, Fleming lectured throughout the world, warning that less than judicious use of these drugs could lead to problems. He cautioned not to give penicillin unless there was a clear need for it. Fleming noted in his early experimentation clear evidence of bacteria’s ability to get around antibiotic exposure. This is because bacteria can quickly change its machinery to avoid the killing effects of the antibiotics.” Pina LoGiudice, ND, LAc

“The Good News is, there are antibiotic alternatives. We can help the situation and avoid antibiotic drugs by harvesting the powerful substances nature has given to us. Both animals and human have harnessed the medicinal power of plants, herbs & other natural sources for at least as long as history has been recorded. Plant alternatives & other natural sources use different mechanisms of action. As such, natural antibiotic choices can help without further contributing to resistance issues.” Pina LoGiudice, ND, LAc

## What is a *natural antibiotic*?

Natural alternatives to antibiotics have been used for centuries to fight various types of infection & disease. *Natural antibiotics* are formulated from plants and other natural sources (i.e., colloidal silver). There are several natural antibiotics that are considered antibacterial, antifungal & antiviral. Yes, some natural antibiotics have killed virus & viral infections. One positive aspect about natural antibiotics is that they have a low toxicity rate, meaning they will likely be less harmful to the body than synthetic antibiotics when used correctly.

There are times a good Excenel antibiotic injection is the best thing to use for a certain situation. We consult with our veterinarian and determine the best route to take. But sometimes, when the antibiotic drugs don't seem to be working, a natural antibiotic comes in handy & is just what the body needs. And it's always a good idea to have some natural antibiotics on hand when you need them.

This article will give information on the natural antibiotics that we have used successfully for our livestock, dogs, cats and ourselves.

*\*Always consult with a veterinarian when your alpaca or llama is ill. Many of the natural antibiotics mentioned in this article are what has worked on our herd and has helped many animal clients. It is best to consult with a holistic veterinarian or holistic practitioner when using natural antibiotics for medicinal purposes. Natural antibiotics are useful when used correctly and can help in the healing of an animal.*

## Let's start with my favorite *Natural Antibiotic*

- **Colloidal Silver – (Silver Shield is the brand we like best.)**

(There are all kinds of colloidal silvers on the market & some can be toxic to the body & especially if not used correctly. The brand I use and recommend is non-toxic.)

It is well known that certain preparations of silver have germicidal properties. Silver was employed as a germicide and an antibiotic before modern antibiotics were developed. In previous centuries, users would shave silver particles into their drinking water, or submerge whole silver pieces in the drinking water, for the purpose of ingesting the silver by drinking the water.

It seems likely that the practice of eating with silver utensils (i.e., silverware) resulted from a belief in the healthful properties of silver. So, don't just use your sterling silver for special occasions. We eat all our meals, everyday, using sterling silverware - it's good for you.

There is really nothing mysterious about Colloidal Silver. The term "colloid" merely refers to particles suspended in solution. In the case of Colloidal Silver these "particles" would be silver and the suspension medium would ideally be pure water. Silver Shield colloidal silver provides 18 ppm of silver that stays suspended in purified, deionized water.

### When would you use a Colloidal Silver?

There may be many reasons why administering silver suspended in solution would enhance an individual's health. It is possible that such a solution operates to inhibit the growth of bacteria, viruses and other unwanted organisms, as well as eradicating such existing bacteria, viruses and other organisms. It is also possible that a solution of silver can have an anti-inflammatory effect.

Colloidal silver (Silver Shield) can act as an internal and external remedy to fight immune-jeopardizing elements and has been proven effective in combating health issues caused by the following:

- Candida Albicans (yeast)
- Bacillus Antracis (anthrax)
- Yersinia Pestis (bubonic plague)
- Mycobacteria Bovis and TB (tuberculosis)
- MRSA (resistant staph aureus)
- Conjunctivitis (pink eye)
- Food poisoning
- Bacterial infections of the skin
- Fungal infections of the skin
- Vaginal and urinary tract infections
- Respiratory infections

**Silver Shield w/ Aqua Sol Technology** – (this is the only brand we use & recommend.)

Where to find it: [http://www.alpacasALLnaturale.com/silver\\_shield.htm](http://www.alpacasALLnaturale.com/silver_shield.htm)

1. Silver Shield uses only the finest particle-size colloids to ensure maximum bio-availability & efficiency.
2. Provides 18 ppm of silver that stays suspended in purified, deionized water.
3. Provides powerful support to the Immune System.
4. Silver Shield is completely non-toxic with no heavy metal contamination.
5. Safe to use internally & externally.
6. Safe to use on pregnant animals & babies (human & animal).
7. Comes in liquid form, gel form & surface wipes.
8. Acts as an EPA-approved surface disinfectant.
9. Add to livestock water buckets, spray to top dress feed or give orally when needed.

10. Can kill bacteria, fungus & viral conditions.
11. Is gentle enough for application to the eyes, ears & nasal passages.
12. Dosage - 1 teaspoonful for 150 lb. animal or person.
13. Just 1 teaspoonful provides a full 90 mcg (18 ppm) of pure silver without heavy metal contamination.
14. Silver Shield is processed by the kidneys & doesn't affect populations of beneficial bacteria in the colon. This is an added bonus.
15. Proven to be 2 to 3 times more effective than other commercial colloidal silver products.
16. Has outperformed many modern antibiotics.

“The body should have 80% friendly bacteria and about 20% bad bacteria inside the intestinal tract. After the use of antibiotics, the body will have no more than 20% friendly bacteria and 80% bad bacteria if not more. Most illness, disease and problems begin in the intestinal tract. Thus, antibiotics create the potential for serious illness to begin.”

Dr. Karen Becker DVM

(Silver Shield Liquid is processed by the kidneys & most likely will not affect the populations of beneficial bacteria in the colon. Another reason I like this *natural antibiotic* -Silver Shield Liquid.)

## How Silver Shield (colloidal silver) works

(It is a Natural Immune System Promoter)

The Silver Shield Science:

Proven by in vitro testing, the colloidal silver in Silver Shield helps rid the body of invasive microorganisms. This is done when the colloidal silver ingredients disable the enzymes that are metabolizing oxygen for harmful bacteria and viruses.

In efforts to fight bacterial and viral infections, people turn to antibiotics when in fact colloidal silver can, in many instances, accomplish the same goals. Additionally, antibiotics can be harmful to the body as they attack both good and bad bacteria in the colon, often jeopardizing your digestive and immune health. However, it is likely that Silver Shield does not harm the good bacteria found in the colon because it is processed in the kidneys.

Silver Shield is safe and effective. It is manufactured using a patented process (U.S. Patent No. 7,135,195) with strict quality control to verify the atomic adsorption. The result is fine, particle-sized colloids with 99% bioavailability. Other products tested ranged between 15–65% bioavailability.

The body is constantly bombarded with invasive bacteria & viruses that weaken the immune system. Finding ways to boost the immune system can make all the difference in overall health. The colloidal silver benefits found in Silver Shield help arm the body's system with the strength it needs to fight off harmful invaders.

## Some interesting information about Silver Shield:

Patent #7,135,195 on (Silver Shield Aqua Sol Technology)

The present invention describes the use of a silver composition in water to treat certain human & animal ailments. An embodiment of the invention is a silver composition comprising small particles of silver which comprise an interior of metallic silver and an exterior of ionic silver which particles are suspended in water. A preferred embodiment of the invention is a silver composition comprising particles of silver wherein more than 50% of the number of particles are less than 0.015 micrometers in size and the particles are colloiddally suspended in water.

### Pathogens That Have Been Tested And Killed using Silver Shield:

(Concentration necessary to kill is noted in parts per million.)

Silver Shield concentration is 18 ppm.

- Bacillary Dysentery - *Shigella boydii* (2.5 ppm)
- Burn Infections - *Pseudomonas aeruginosa* (5 ppm)
- Corneal Ulcers-Keratitis - *Pseudomonas aeruginosa* (5 ppm)
- Dental Plaque - *Streptococcus mutans* (5 ppm)
- Diarrhea (Bloody) - *Shigella boydii* (2.5 ppm)
- Diarrhea - *Escherichia coli* (2.5 ppm)
- Ear Infection - *Haemophilus influenzae* (1.25 ppm)
- Ear Infection - *Streptococcus pneumoniae* (2.5 ppm)
- Enteric Fever - *Salmonella typhimurium* (2.5 ppm)
- Eye Infections - *Staphylococcus aureus* (5 ppm)
- Food Poisoning - *Salmonella arizona* (5 ppm)
- Food Poisoning - *Salmonella typhimurium* (2.5 ppm)
- Food Poisoning - *Escherichia coli* (2.5 ppm)
- *Streptococcus gordonii* (5 ppm)
- Impetigo - *Staphylococcus aureus* (1.25 ppm)
- Meningitis - *Haemophilus influenzae* (1.25 ppm)
- Meningitis - *Enterobacter aerogenes* (2.5 ppm)
- Meningitis - *Pseudomonas aeruginosa* (5 ppm)
- Meningitis - *Streptococcus pneumoniae* (2.5 ppm)
- Nosocomial Infections - (From *Streptococcus pyogenes* hospitals) (2.5 ppm)
- Osteomyelitis - *Staphylococcus aureus* (5 ppm)
- Pneumonia - *Staphylococcus aureus* (5 ppm)
- Pneumonia - *Haemophilus influenzae* (1.25 ppm)
- Pneumonia - *Pseudomonas aeruginosa* (5 ppm)
- Pneumonia - *Streptococcus pneumoniae* (2.5 ppm)
- Respiratory Tract Infections - *Streptococcus pyogenes* (1.25 ppm)
- Respiratory Tract Infections - *E. coli* (2.5 ppm)
- Respiratory Tract Infections - *Klebsiella pneumoniae* (2.5 ppm)
- Scarlet Fever - *Streptococcus pyogenes* (1.25 ppm)

- Septicemia - Enterobacter aerpyogenes (2.5 ppm)
- Sinus Infections - Haemophilus influenzae (1.25 ppm)
- Sinusitis - Streptococcus pneumonie (2.5 ppm)
- Skin Infections - Staphylococcus aureus (5 ppm)
- Skin Infections - Streptococcus pyogenes (1.25 ppm)
- Strep Throat - Streptococcus pyogenes (1.25 ppm)
- Suppurative Arthritis - Haemophilus influenzae (1.25 ppm)
- Throat Infections - Haemophilus influenzae (1.25 ppm)
- Tooth Decay - Streptococcus mutans (5 ppm)
- Urethritis (Men) - Trichomonas vaginalis (10 ppm)
- Urinary Tract Infections - E. coli (2.5 ppm)
- Urinary Tract Infections - Enterobacter aerpyogenes (2.5 ppm)
- Vaginitis - Trichomonas vaginalis (10 ppm)
- Wound Infections - Escherichia coli (2.5 ppm)
- Wound Infections - Enterobacter aerpyogenes (2.5 ppm)
- Wound Infections - Klebsiella pneumoniae (2.5 ppm)
- Wound Infections - Pseudomonas aeruginosa (5 ppm)
- Wound Infections - Streptococcus faecalis (2.5 ppm)
- Yeast Infections - Candida albicans (10 ppm)

## **At the ranch –**

### **Some successful results using Silver Shield Liquid & Gel:**

#### **\*\*\*Respiratory disease (SNOTS) –**

Silver Shield Liquid, was part of our protocol used when the alpaca respiratory disease (SNOTS) went through the alpaca herds in this part of the US. We added 1 to 2 teaspoons to every 5-gallon bucket. This insured that all the animals were benefiting from this natural antibiotic. The total treatment we used was very successful in our herd of 90+ alpacas even with several having severe symptoms. The Silver Shield acted as prevention & treatment at the same time. The alpacas that had severe symptoms were given 1 teaspoon three times a day orally to make sure they got the full benefit of this natural antibiotic. We also gave Vitamin C & B-complex/B12 injections. Silver Shield dosage is 1 teaspoon for 150 lb. animal. For crias we used ¼ teaspoon.

#### **\*\*\*Minor Wounds –**

We use Silver Shield Gel on scrapes and cuts as our antibiotic ointment when needed. It's nice to have on hand. Deep wounds need a veterinarian's attention.

### \*\*\*Diarrhea problems –

(Silver Shield liquid helped diarrhea problems when nothing else worked.)

We had a case of chronic diarrhea in an adult female. We had tried our normal protocol using *Soothe-My-Tummy* mixture of herbs, slippery elm, probiotics, enzymes, etc. but it wasn't working. This female had a normal temperature, was parasite free, had no change in pasture or hay and she was eating good. The veterinarian checked her out, ultra-sounded her gut, blood work was done and everything came back normal. They were going to do a culture of the diarrhea but it would take over a week to get results back. I finally thought about dosing her with Silver Shield orally.

Since Silver Shield colloidal silver is known for killing bacteria, virus and fungus conditions– that made sense to give it a try. We dosed her with:

- 1 teaspoon Silver Shield. (it doesn't have much of a taste.)
- Gave 3 times that first day.
- Next day she had clumping!
- We continued to give the Silver Shield 3 times a day.
- Day two she had solid beans!
- Her chronic diarrhea has not returned.

This same protocol using Silver Shield was recommended to a client for a young cria. They had the same good results using a smaller dosage - ¼ teaspoon 3 times a day.

### When we see diarrhea in adults we do the following:

- Check their temperature.
- Check their fecals for possible parasites. (Use De-wormer if needed.)
- Give orally - *Soothe-My-Tummy* powder mixed with water. It contains slippery elm, probiotics, enzymes and other herbs. See link for more information: [http://www.alpacasALLnaturale.com/soothe\\_my\\_tummy.htm](http://www.alpacasALLnaturale.com/soothe_my_tummy.htm)
- If the *Soothe-My-Tummy* doesn't work within 24 hours, we mix in Silver Shield Liquid to the *Soothe-My-Tummy* mixture.
- If we see improvement, we continue the mixture for another few days.
- If this combo doesn't show improvement within 3 days, we call the veterinarian for blood work or whatever else they recommend.

### \*\*\*Eye Problems –(safe for crias & pregnant animals.)

A young cria had spit on his face & some got in one of his eyes. The eye was watering and he was squinting. I cleaned up his face and around the eyes and carefully applied the Silver Shield Gel in the problem eye. I did this twice that day. The next day his eye was still irritated but he wasn't squinting – some improvement. I gently applied the Silver Shield Gel twice during the day. The next morning, his eye was not watering and seemed normal. I applied the Silver Shield Gel once more and that was the last treatment he needed.

Eye problems & injuries can be very serious. We have used other ointments for eye problems but I always use the Silver Shield Gel when I first notice something going on in the eyes. If it doesn't look better the next day, I usually call the veterinarian to take a look & make sure we're on the right track.

WARNING- Don't use cortisone products (even topically) on or around pregnant females. Even a small amount of cortisone can cause the pregnant alpaca or llama to abort! We know of one ranch that used an eye cream that contained cortisone on a pregnant alpaca & she aborted. Silver Shield Gel doesn't contain any cortisone and is completely safe.

### Some other *natural antibiotics we've used on the ranch*

- **Oregon Grape (Berberis aquifolium)**: Oregon grape contains a substance known as berberine, which can stop bacteria from adhering to the cell walls. The natural product, PARAVAC, contains the *natural antibiotic*, Oregon Grape, as one of the ingredients. PARAVAC was officially tested on llamas & alpacas at Ohio State. It was found to be most effective against coccidia, even surpassing current drug therapies. Recently, several ranches have found PARAVAC to be effective against Eimeria macusaniensis (EMac). It was also found to be safe during pregnancy & lactation.

For more information: <http://www.alpacasALLnaturale.com/paravac.htm>

- **Animal Herbal Formula**: (Many of these herbs come from regions of Peru.)

This herbal powder formula contains herbs with *antibiotic* properties:

1. Una De Gato – anti-viral, anti-bacterial, immune boosting.
2. Chanca Piedra - anti-viral, anti-bacterial, detoxifies the liver.
3. Jatoba – anti-yeast, fungal & bacterial, super anti-oxidant.
4. Boldo – reduces inflammation, protects & detoxifies the liver.
5. Chuchuhuasi – enhances immunity, reduces inflammation.
6. Camu Camu – super anti-oxidant, aids in antibody production.
7. Licorice – anti-viral, anti-inflammatory.
8. Stevia – anti-bacterial, kills fungus & viruses.

We have successfully used this formula for animals to boost their immune system & help those with health issues. Many ranches & farms around the country routinely use this formula & top dress their feed to keep their herds healthy.

For more information on the Animal Herbal Formula:

[http://www.alpacasALLnaturale.com/animal\\_herbal\\_formula.htm](http://www.alpacasALLnaturale.com/animal_herbal_formula.htm)



*The products mentioned in this article are not intended to diagnose or cure any animal and are not intended to replace the advice of your veterinarian.*

*We have found that these products work for our herd and are good to have on hand to complement the veterinarian's care when needed.*

*Always consult with your veterinarian when your animal is ill. Please read all labels carefully before using any products. The safe and proper use of natural products or any medication is the sole responsibility of the user.*

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