

# SOD POWDER

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**T**he immune system is the body's self-defense system. One type of immune response is cellular immunity, which originates with white blood cells called T-Cells. T-Cells contain the free radical scavenging enzymes SOD (superoxide dismutase) and others. Most cellular immune responses are controlled by enzyme systems with a trace element at their core; copper and zinc are two that are important. This **SOD** enhancing mineral supplement consists of zinc, copper and manganese chelated to amino acids and has been found helpful for issues from allergies to cancers to various immune insufficiency challenges.

In fact, it was after the addition of this, in addition to the Basic Program and **Ester C**, that the famous endurance horse, Omner, was able to rid himself of the presumably fatal kidney cancer and race again winning the coveted Tevis Cup an incredible five times. Omner is now a Breyer horse mode. In fact, we have found that time the system is challenged with cancers and other serious problems, a ten day round of SOD on a quarterly basis can boost the system enough to fend off many tumors, etc.

Numerous studies have shown the importance of SOD and its positive effects in both animals and humans alike, and Dr. Milton Fried, The Journal of Longevity Research June 1992 says: *"... The therapeutic possibilities of SOD are mind boggling, for we may have in our grasp a system of enzymes which may allow us to slow down (and possibly reverse) aging, and to prevent and reverse a large list of degenerative diseases. ... if we can increase SOD in the cells, we may have the fountain of youth and health for which man has searched for generations. ... Super Oxide Dismutase (SOD) opens a vista of research in the treatment of shock, allergies and inflammatory diseases, and the auto immune diseases like rheumatoid arthritis."*

Fried goes on to point out: *"Research for over a decade by W. Huber and M.G.P. Saifer on a preparation of SOD has established the safety of the tested SOD and its anti-inflammatory action 'without the anti-pyretic, analgesic, or immunosuppressive action of other drugs used in inflammatory disease.' Saifer has researched SOD on humans, horses, and dogs, in diseases such as rheumatoid arthritis, chronic post operative cystitis, Peyronies Disease, Herpes Simplex, Multiple Sclerosis, Uveitis. They summarize their results by stating that orgotein (SOD) has the following characteristics:*

- 1) It is an effective anti-inflammatory.
- 2) Its effects are long lasting.
- 3) It can be used with other anti-inflammatory drugs, such as aspirin and corticosteroids, and provides additional improvement.
- 4) Treatment can be adjusted to the localization of the pathology.
- 5) It is unique in its lack of tissue toxicity and adverse reactions.
- 6) Its immunologic potential is at very low order.
- 7) In combination with other anti-inflammatories it does not increase the incidence and/or severity of their side effects."

However, Jim Zamzow, Founder and President of **DYNAMITE® MARKETING, INC.**, points out that: *"While the value of the enzyme superoxide dismutase is well established, it is important to understand that successful clinical studies to date have been done through I.V. injection. Since the S.O.D. enzyme is a delicate protein compound, it is immediately fractionated in the stomach by hydrochloric acid and digestive enzymes. It makes sense to me that the proper way to increase S.O.D. in the body is to provide the body with the important components and allow the body to naturally manufacture S.O.D. itself."*

And an excerpt from **MINERALS: Right on Target** by Steven N. Harvey states: *"The S.O.D. enhancing mineral supplement consisting of zinc, copper and manganese chelated to amino acids also appears to aid the immune system by enhancing the destruction of free radicals. In one experiment involving several thousand head of cattle, the S.O.D. chelated minerals were added to both the feed and the drinking water. The result was a drop in losses due to death from 2 - 4 % to 0.2 - 0.6 % and a reduction in morbidity of tissues from 40 - 50 % to 5 - 10 %."*

*Another study involving cattle showed the importance of the S.O.D. enzyme to the immune system and the value of targeted mineral supplementation with pure amino acid chelates. In this study, the livers from sick cattle were removed immediately following death and compared against the livers of healthy cattle for S.O.D. concentration. It was found that S.O.D. levels in the livers of sick cattle averaged 100 to 120 micrograms per gram of tissue. On the other hand, S.O.D. levels in healthy animal livers averaged 400 micrograms per gram of tissue. By adding the S.O.D. pure amino acid chelated mineral supplement to the liver homogenate, the S.O.D. levels rose significantly. In some cases the levels doubled. The data suggested that superoxide radicals in the sick cattle's livers overpowered the superoxide dismutase enzyme as healthy cattle had about four times the level of S.O.D. It also showed that the S.O.D. mineral supplement could raise S.O.D. levels in the tissues."*

Omner is only one of many to have survived cancer with this nutritional approach; numerous other mammals have done equally as well. On a perhaps less impactful note, many distributors have also discovered that a quarterly round of **SOD**, in addition to the Basic Program, seems to aid horses in becoming more parasite resistant (copper-deficient horses are more attractive to parasites) with the added bonus of richer coat colors especially for dark-skinned animals and far fewer to no allergies in formerly allergic animals. Many owners of gray horses, prone to numerous melanomas, give **SOD** as a matter of course. For those with sarcoids, it seems to work equally well.

Many competitive horse owners use it to boost immune systems pre-shipment and pre- and post-competition. Many horses are vaccinated for rhino prior to competition and therefore are shedding the virus; giving **SOD** seems to boost liver enzymes high enough to ward off that intrusion. Some distributors have also found **SOD** to be effective with Lyme disease and many other viruses. We have used it as a part of a protocol\* with boarded horses on our property who contracted West Nile Virus.

It can upset digestion a bit in some individuals whether horse, dog or human, so always make sure it is consumed with food. Some people prefer to open the capsule and simply put the powder into a prepared meal. Others prefer to stair-step the **SOD** at one the first day, two the second day and so on until maximum level has been reached for that individual, staying at that plateau for three days or so and then stair-stepping back down. Additional and concurrent immune system support in the form of **SuperStress** is highly recommended for any serious health challenge.

**E**ssentially any time the immune system is heavily challenged, **SOD** could be just the help required. ■