

# Proanthozone®



- Bioflavanol antioxidant formula for adult dogs and cats
- Supporting research published in JAVMA (Oct. 2000)
- Flavored sprinkle capsules

## Indications:

For the nutritional management of conditions linked to oxidative stress, such as liver/kidney disease, skin disease, pancreatic and G.I. disorders, cardiovascular disorders and degenerative joint disease (DJD). Also useful as a nutritional support for compromised immune function.

## Main ingredients:

Bioflavanol, Vitamin E, Vitamin A, Manganese, Zinc, Selenium, N-acetyl-Cysteine, Superoxide Dismutase, Glutathione, liver flavor

## Veterinarians can use Proanthozone® as nutritional support for animals with:

- Cataracts
- Cardiovascular disease
- Immune-mediated disease
- Kidney disease
- Liver disease
- Cancer
- Skin problems - Anti-histamine effect
- Surgical incisions or wounds
- Diabetes/Diabetic retinopathy
- Pancreatitis
- Dental disease
- Vascular problems

There are many disorders that can benefit from antioxidants. Studies have shown that oxidative damage to nerves can result in mental deterioration, oxidative damage to joint tissue can result in gait disturbances, and oxidative damage to cardiac tissues can result in cardiac arrhythmia or heart attack. Research has also shown that renal, hepatic, pulmonary, cardiovascular, neurological and ocular diseases can be slowed or prevented with adequate antioxidant therapy. For example, in rabbits, isolated heart muscle has been protected from ischemia/reperfusion injury in the presence of the potent antioxidant bioflavanol, which is the main component in Proanthozone®.

Research has shown that bioflavanol from grape seed extract inhibits elastase and collagenase enzymes that continually work to break down connective tissue throughout an animal's body. At the same time, it helps repair broken collagen fibers by reconnecting them. As an animal ages, the cumulative effect of these enzymes begins to manifest itself in capillary breakdown in kidney and eye tissue and in increased permeability of lung and gut tissue. Proanthozone® may help an animal's body to repair or slow these developments of aging.

Antioxidants are best used, however, as a nutritional support for optimal health throughout a pet's life. Proanthozone® maintains cellular antioxidant enzymes and provides direct free radical scavengers that help preserve the genetic integrity of original and new cells.

## Published research:

1. Allison, R.W., Lassen, E.D., Burkhard, M.J., Lappin, M.R. "Effect of a bioflavonoid dietary supplement on acetaminophen-induced oxidative injury to feline erythrocytes." *JAVMA*. Vol. 12, No. 8, October 2000: 1157-1161.  
Oral administration of a bioflavonoid antioxidant to cats at risk for oxidative stress may have a beneficial effect on their ability to resist oxidative injury to erythrocytes. Cats are uniquely sensitive to oxidative injury to erythrocytes, and Heinz body formation, as the result of exogenous oxidant exposure as well as endogenous disease processes such as lymphoma, diabetes mellitus, and hyperthyroidism, has been well documented. Dietary treatment that would minimize oxidative injury could be of benefit to sick cats and may be a useful protective supplement in healthy cats.
2. Impellizeri, J.A., Lau, R.E., Azzara, F.A., "14 week clinical evaluation of an oral antioxidant as a treatment for osteoarthritis secondary to canine hip dysplasia." *Veterinary Orthopedic Society, 24th Annual Meeting, March 1997, and European College of Veterinary Surgeons, Zurich, Switzerland, April 1997.* Final results showed improvement in those animals treated with Proanthozone (85.7%) as opposed to the group treated with placebo (9.1%). The results were significant at the 0.1 level using the Chi square analysis. Proanthozone produced clinical improvement in this sampled population of dogs with osteoarthritis secondary to canine hip dysplasia.

ProNeurozone®  
ProAnimal®

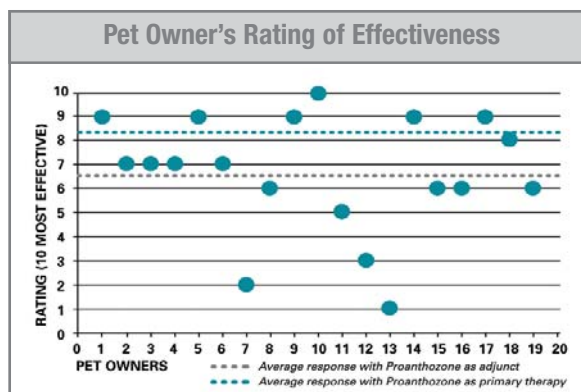
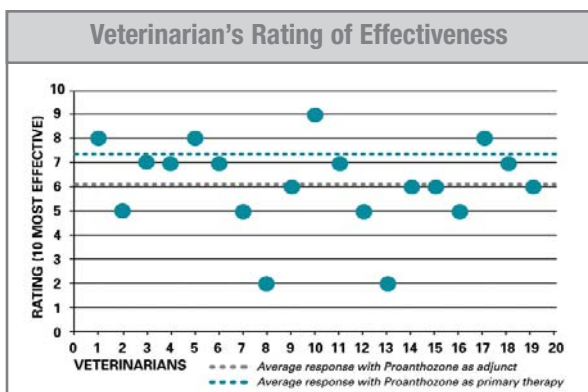
ProQuiet®  
ProMotion®

ProMotion EQ®  
Prosamine®



Veterinarians using Proanthozone® in atopic dogs have achieved positive results, primarily using it as an adjunct to more conventional therapies. Survey responses from twenty veterinarians yielded the following results:

- On a scale of 1-10, with 10 being most effective, veterinarians rated Proanthozone® a 6.11 for effectiveness.
- On the same scale, veterinarians reported that clients on average rated Proanthozone® a 6.63 for effectiveness.
- Among clients using Proanthozone® as primary therapy, the average effectiveness score was 8.33.
- Among doctors using Proanthozone® as primary therapy, the average effectiveness score was 7.33.
- 86% of veterinarians were using Proanthozone® as an adjunct.



**Q: Is it true that grapes are toxic to dogs?**

**A:** Reports of renal failure in animals related to grape or raisin ingestion are not in any way connected to grape seed extract. In fact, negative reactions in dogs have occurred from ingestion of seedless grapes. Numerous studies have proven grape seed extract to be safe for animals and it is a GRAS (generally recognized as safe) ingredient for animal feed/supplements.

**Q: Why is Proanthozone® a powder format?**

**A:** A chewable form of Proanthozone® was addressed during a roundtable discussion with a panel of veterinarians and the response was unanimous to keep the powder format. There was no negative feedback concerning either format or palatability. Dogs take the capsules easily and the powder can be sprinkled onto cat food.

*"Sheeba, my 10-year old Great Dane, was diagnosed with diabetes a year ago and is now blind. Arthritis in her hips prevented her from playing and walking. She needed assistance rising from the floor and struggled when she tried to lie down. My sister-in-law recommended Proanthozone for months before I asked my veterinarian to research it. Within a few weeks of using Proanthozone, Sheeba's overall health and mobility improved dramatically. Over approximately 4-6 weeks, her insulin requirements gradually went from 100 to only 70 units/day. Sheeba no longer required assistance in getting up, she began to play with the other dogs again, and now enjoys going for a short walk every morning. She is able to "hop" up and down the 8-inch step at our front door and sometimes has to be restrained from running in the living room before she crashes! I was unable to continue her daily dosage for about 2 weeks and she began to have difficulties walking, rising and lying down. Her water consumption and insulin requirements were increasing. By the time I put her back on Proanthozone, she was up to 90 units/day. Now, back on the Proanthozone, we again have to remind her that she's just not a puppy anymore. She wholeheartedly disagrees!"*

*My other dog, Hartley, a 10-year old Pit Bull/Boxer mix, has hypothyroidism and weighs 125 lbs. He is currently taking Soloxine for his thyroid and daily doses of Proanthozone. The improvement in him is the disappearance of recurring hot spots. I am thrilled to give my dogs a product that is not laden with chemicals and provides them with improved health and mobility in their senior years. Thanks again for such a beneficial and safe product!"*

— Mary-Anne, Florida