



Animal HealthQuest

Who We Are

Animal HealthQuest's experienced veterinary professionals created **Ocu-GLO™** because of their dedication to developing unique, high-quality nutraceuticals for animal health.

Dr. Carmen Colitz is a board-certified veterinary ophthalmologist with a PhD in molecular biology; she has extensively researched antioxidants in eye health, particularly the lens. Dr. Colitz discovered telomerase activity in the canine lens and is in private practice in Jupiter, FL.



Dr. Terri McCalla is a board-certified veterinary ophthalmologist with an MS in pathology; her research interests include retinal disease. Dr. McCalla is in private practice in Bellingham, WA.



Debby Smith is a registered pharmacist with over 40 years of experience specializing in compounding medications and supplements for both animals and humans. She owns Ballard Plaza Pharmacy in Seattle, WA.

Four Available Capsules



| Weight | Suggested Daily Use |
|---|---|
| Never for use in cats under five pounds, cats less than one year of age, or any cats with liver disease. | |
| MATURE CATS 5 – 10 lb | ½ Ocu-GLO™ PB Capsule |
| MATURE CATS 11 – 20 lb | 1 Ocu-GLO™ PB Capsule |
| DOGS 1 – 10 lb (.45 – 4.5 kg) | 1 Small Dog Gelcap or 1 Ocu-GLO™ PB Capsule |
| 11 – 30 lb (4.6 – 14.0 kg) | 1 Medium / Large Dog Gelcap or Ocu-GLO™ PB XL Capsule |
| 31 – 60 lb (14.1 – 27.2 kg) | 2 Medium / Large Dog Gelcaps or Ocu-GLO™ PB XL Capsules |
| 61 lb and over (27.3kg) | 3 Medium / Large Dog Gelcaps or Ocu-GLO™ PB XL Capsules |
| Keep out of reach of animals and children. Avoid use in pregnant animals. | |

Alpha Lipoic Acid is a part of the feline diet but in large quantities can be toxic. It is important to follow the cat specific directions for use.

In case of overdose, contact a health professional immediately.

ANIMAL NECESSITY
use your natural instinct!

Animal Necessity® provides a family of superior nutraceuticals, whose formulations are driven by science to complement the natural development, aging, and well-being of companion, zoo and aquatic animals. Our Scientific Advisory Team combines over 100 years of experience in veterinary medicine, orthomolecular nutrition, and pharmaceutical compounding to design and craft our products, based on valid scientific research findings.



Ocu-GLO™
Vision support for small / medium / large dogs



Joint Guard Vet™
Lifetime support for healthy joints and mobility



Imuno-2865®
Immune adjunctive support



Serenin Vet™
Calming animal health supplement



SHaNa Vet™
Healthy skin and seasonal allergies support



SHaNa Cream®
Healthy skin and coat topical cream

OcuGLO.com

For additional information and ordering call **1.800.721.1310** or email info@ocuglo.com.



Ocu-GLO™ Vision Supplement

Canine and Feline Vision Support
Formulated by Veterinary Ophthalmologists



NEW!

Ocu-GLO™ PB XL
improved formula
for medium and
large DOGS with
sensitive stomachs!

Ocu-GLO™ PB XL only for use in dogs.

What is Ocu-GLO™ Vision Supplement?

- Added protection against oxidative stress
- Powerful antioxidant blend
- Created by board-certified veterinary ophthalmologists
- Formulated to support canine and feline eyes
- Pharmaceutical-grade ingredients
- Compliant with GMP (Good Manufacturing Practices)



Product Facts

Active Ingredients Per Capsule / Gelcap

GLO™ Proprietary Blend of
(Grape Seed Extract, Lutein,
Zeaxanthin*, Omega 3 EPA/DHA)

| | Ocu-GLO™ PB Capsule | Small Dog Gelcap | Medium / Large Dog Gelcap | Ocu-GLO™ PB XL Capsule |
|--|------------------------|------------------------|---------------------------------|---------------------------|
| Vitamin C (Ascorbic Acid) | 175 mg | 175 mg | 350 mg | 351 mg |
| Green Tea Extract (40% EGCG) | 50 mg | 50 mg | 100 mg | 100 mg |
| Vitamin E (d-alpha Tocopheryl Acetate) | 20 mg | 20 mg | 40 mg | 40 mg |
| Alpha Lipoic Acid | 25 IU | 25 IU | 50 IU | 33.5 mg |
| Coenzyme Q10 (Ubiquinone) | 13 mg | 13 mg | 25 mg | 25 mg |
| Rutin | 13 mg | 13 mg | 25 mg | 25 mg |
| Zinc (Zinc Oxide) | 5 mg | - | - | 10 mg |
| Vitamin B-3 (Niacin) | 3 mg | 3 mg | 5 mg | 5 mg |
| Vitamin B-3 (Niacin) | 1.2 mg | 1.2 mg | 2.4 mg | 2.4 mg |
| Lycopene from Tomato Extract | - | 1 mg | 2 mg | - |
| Astaxanthin | 1 mg | - | - | 2 mg |
| Vitamin B-5 (d-calcium Pantothenate) | 1 mg | 1 mg | 2 mg | 2 mg |
| Vitamin B-1 (Thiamine HCl) | 0.1 mg | 0.1 mg | 0.2 mg | 0.2 mg |
| Vitamin B-6 (Pyridoxine HCl) | 0.1 mg | 0.1 mg | 0.2 mg | 0.2 mg |
| Vitamin B-9 (Folic Acid) | 20 mcg | 20 mcg | 40 mcg | 66.67 mcg DFE |
| Vitamin B-7 (Biotin) | 10 mcg | 10 mcg | 20 mcg | 20 mcg |
| Vitamin B-12 (Cyanocobalamin) | 2.5 mcg | 2.5 mcg | 5 mcg | 5 mcg |

Inactive Gelcap Ingredients: Beeswax (yellow), carob extract, gelatin, glycerin, purified water, soy lecithin, soybean oil, and titanium dioxide. **Inactive Capsule Ingredients:** Hypromellose (Vegetable Capsule), Rice Hull Concentrate.

Cautions: Safe use in pregnant animals or animals intended for breeding has not been proven. For animal use only. Keep blister pack out of reach of children and animals. In case of accidental overdose, contact a health professional immediately.

* Zeaxanthin only present in Gelcap form.

"Supplementing with exogenous antioxidants has been shown to diminish the damage caused by oxidative stressors of daily living."



Why are antioxidants important?

Antioxidants are molecules that counteract free radicals. Free Radicals, also known as Reactive Oxygen Species (ROS), are highly unstable molecules generated in cellular mitochondria as a natural response to environmental stressors such as inflammation, actinic radiation from sunlight and many environmental toxins such as air pollutants. Free radicals are inherent in the biologic functions of life and antioxidants are Nature's way of balancing this chemical reaction.

When ROS outnumber the natural antioxidant pathways in a cell, the result is known as oxidative stress, which contributes to breakdown of cellular components and the shortening of the protective ends of DNA strands known as **telomeres**. Telomere degradation prevents cellular reproduction, inhibiting the body's natural healing processes and, eventually, leading to cell death.

The cells of the canine retina are especially susceptible to oxidative stress-induced damage because of their high oxygen consumption and exposure to light, which can lead to the death of photoreceptors (rods and cones) in the retina and blindness.

Endogenous antioxidant levels diminish with age. Supplementing with specific exogenous antioxidants has been shown to reduce the damage caused by oxidative stressors of daily living. The ingredients in **Ocu-GLO™** were formulated with this understanding of the pathophysiology of oxidative stress and the beneficial role of antioxidant support of ocular tissues.



Key Antioxidants



Grape Seed Extract

Grape Seed Extract is rich in a potent antioxidant called proanthocyanidins, which are very powerful free radical scavengers, have anti-inflammatory properties.

Lutein and Zeaxanthin

Lutein and Zeaxanthin are carotenoid antioxidants that are necessary for protection of the retina and lens.



Omega-3 Fatty Acids

Omega-3 Fatty Acids are essential fatty acids that cannot be synthesized by the body. Docosahexaenoic Acid (DHA) has potent anti-inflammatory effects.

Why Ocu-GLO™?

The field of nutritional science is advancing rapidly and a growing number of experts recognize the connection between nutrition and metabolism as a cornerstone of health and wellness. The ingredients in **Ocu-GLO™** provide optimal nutritional support for the canine eye.

- Helps maintain ocular health at a cellular level
- Fights oxidative stress
- Supports healthy immunity
- Helps maintain overall health

Varieties Formulated For:

- Dogs / mature cats seen by a veterinary ophthalmologist
- Geriatric, working, and active dogs
- Adult cats weighing over 5 pounds (2.27 kg)
- Adult cats with no history of liver disease
- Pre and post-operative ocular surgery patients

1. Miranda M, Arnal E, Ahuja S, et al. Antioxidants rescue photoreceptors in rd1 mice: Relationship with thiol metabolism. Free Radic Biol Med 2010;48:216-222.
2. Nguyen VC, Laki JV, Ozumi A, et al. Anti-cataract activity of proanthocyanidin-rich grape seed extract in streptozotocin-induced diabetic rats. The Annual Meeting of the Japan Society for Biotechnology and Agrochemistry 1999;133.
3. Vinson JA, Zhang J. Black and green teas equally inhibit diabetic cataracts in a streptozotocin-induced rat model of diabetes. J Agric Food Chem 2005;53:3710-3713.
4. Jacob S, Russ P, Hermann R, et al. Oral administration of RAC-alpha-lipoic acid modulates insulin sensitivity in patients with type-2 diabetes mellitus: a placebo-controlled pilot trial. Free Rad Biol Med 1999;27:309-314.
5. Heaton PR, Reed CF, Mann SJ, et al. Role of dietary antioxidants to protect against DNA damage in adult dogs. Journal of Nutrition 2002;132:1720S-1724S.