



## 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.



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

Available In Two Sizes

for **Small Dogs**  
10 lbs. and under

for **Medium and Large Dogs**  
11 lbs. and over

## Suggested Use

Weight of Dog	Suggested Daily Dose
10 lbs. and under (4.5 kg and under)	1 Small Dog Gelcap
11 - 30 lbs. (4.6 - 14.0 kg)	1 Medium / Large Dog Gelcap
31 - 60 lbs. (14.1 - 27.2 kg)	2 Medium / Large Dog Gelcaps
61 lbs. and over (27.3kg and over)	3 Medium / Large Dog Gelcaps

Keep out of reach of animals and children.  
Avoid use in pregnant animals.



Animal Necessity® provides a family of superior quality 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. All of Animal Necessity's® natural products are certified under FDA Good Manufacturing Practice (GMP) regulations to ensure the identity, strength, composition, quality and purity of each ingredient.



[www.ocuglo.com](http://www.ocuglo.com)  
For additional information and ordering call 1.800.721.1310  
or email [info@ocuglo.com](mailto:info@ocuglo.com).

# Ocu-GLO™ Vision Supplement



Optimal Canine  
Vision Support

Formulated by Veterinary Ophthalmologists



Please visit us online  
for further information  
[www.ocuglo.com](http://www.ocuglo.com)



# What is Ocu-GLO™ Vision Supplement?

- Added protection against oxidative stress
- 12 antioxidants in a single dose
- Created by board-certified veterinary ophthalmologists
- Formulated to support canine and feline eyes
- Pharmaceutical-grade ingredients
- Compliant with GMP (Good Manufacturing Practices)

## Supplement Facts

	Amount Per	
	Small Gelcap	Medium Gelcap
<b>GLO™ Proprietary Blend</b> (Grapeseed Extract 95%, Lutein Elemental 20%, Omega-3 55% EPA/DHA)	175 mg	350mg
Vitamin C (as Ascorbic Acid)	50 mg	100 mg
Vitamin E (as $\alpha$ -Alpha Tocopheryl)	25 IU	50 IU
Vitamin B-1 (as Thiamine HCl)	0.1 mg	0.2 mg
Vitamin B-3 (as Niacin)	1.2 mg	2.4 mg
Vitamin B-6 (as Pyridoxine HCl)	0.1 mg	0.2 mg
Folate (as Folic Acid)	20 mcg	40 mcg
Vitamin B-12 (as Cyanocobalamin)	2.5 mcg	5 mcg
Biotin	10 mcg	20 mcg
Pantothenic Acid (as d-Calcium Pantothenate)	1 mg	2 mg
Zinc (as Zinc Oxide)	3 mg	5 mg
Alpha Lipoic Acid	13 mg	25 mg
Coenzyme Q10 (Ubiquinone)	13 mg	25 mg
Lycopene (from Tomato Extract)	1 mg	2 mg
Green Tea Extract (40% EGCG)	20 mg	40 mg

\*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

"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 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 diminish the damage caused by oxidative stressors of daily living. The 12 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



### Grapeseed Extract

Grapeseed 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

## Formulated For:

- Dogs who have or should be seen by a veterinary ophthalmologist
- Geriatric dogs
- Working and active dogs
- Cats
- Pre and post-operative ocular surgery patients

1. Hiranda M, Amal E, Abajo S, et al. Antioxidants rescue photoreceptors in d1 mice: Relationship with lipid metabolism. *Free Radic Biol Med* 2010;48:216-222.  
 2. Nguyen VC, Lohr JY, 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, Ross P, Hermann R, et al. Oral administration of RHC-alpha-lipoic acid modulates insulin sensitivity in patients with Type 2 diabetes mellitus: a placebo-controlled pilot trial. *Free Radic Biol Med* 1999;27:309-314.  
 5. Heston PR, Reed CG, Mann SJ, et al. Role of dietary antioxidants to protect against DNA damage in adult dogs. *Journal of Nutrition* 2002;132:1720S-1724S.