AHQ
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. Dr. McCalla is in private practice in Bellingham, WA.

Debby Smith, RPH, has over 40 years of experience specializing in compounding supplements for both animals and humans. She owns Ballard Plaza Pharmacy in Seattle, WA.

Four Available Capsules

Suggested Daily Use for All Ocu-GLO™ Products

Weight	Suggested Daily Use
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 Ocu-GLO™ Small Dog Gelcap or 1 Ocu-GLO™ PB Capsule
11 – 30 lb (4.6 – 14.0 kg)	1 Ocu-GLO™ Medium / Large Dog Gelcap or 1 Ocu-GLO™ PB XL Capsule
31 – 60 lb (14.1 – 27.2 kg)	2 Medium / Large Dog Gelcaps or 2 Ocu-GLO™ PB XL Capsules
61 lb and over (27.3kg)	3 Ocu-GLO™ Medium / Large Dog Gelcaps or 3 Ocu-GLO™ PB XL Capsules

Never for use in cats under five pounds, cats less than one year of age, or any cats with liver disease. 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.

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

In case of overdose, contact a health professional immediately.

ANIMAL NECESSITY

CELEBRATING 10+ YEARS AS THE

GLOBAL LEADER IN ANIMAL EYE CARE

Animal Necessity® provides a family of natural supplements, whose formulations are driven by science to complement the normal development, aging, and well-being of companion, zoo and aquatic animals. Our Scientific Advisory Team combines over 100 years of experience 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

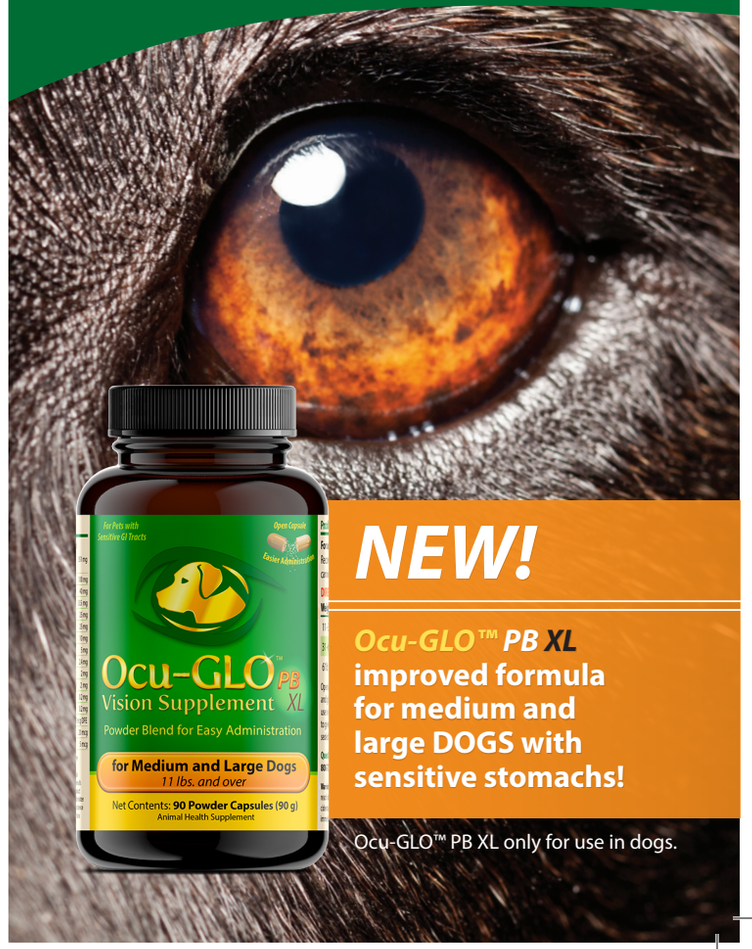
SHaNa Cream®
Healthy skin and coat topical cream

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
- Compliant with GMP (Good Manufacturing Practices)

GLUTEN FREE

Product Facts	PB Capsule	Small Dog Gelcap	PB XL Capsule	Medium / Large Dog Gelcap
Active Ingredients Per Capsule / Gelcap				
GLO™ Proprietary Blend of (Grape Seed Extract, Lutein, Zeaxanthin, Omega 3 EPA/DHA)	175 mg	175 mg	350 mg	350 mg
Vitamin C (Ascorbic Acid)	50 mg	50 mg	100 mg	100 mg
Green Tea Extract (40% EGCG)	20 mg	20 mg	40 mg	40 mg
Vitamin E (d-alpha Tocopheryl)	25 IU	25 IU	50 IU	50 IU
Alpha Lipoic Acid	13 mg	13 mg	25 mg	25 mg
Coenzyme Q10 (Ubiquinone)	13 mg	13 mg	25 mg	25 mg
Rutin	5 mg	-	10 mg	-
Zinc (Zinc Oxide)	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	40 mcg
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.

"Supplementing with specific exogenous antioxidants has been shown to support the health of the eye in the face of daily oxidative stressors."

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 support the health of the eye in the face of daily oxidative stressors. 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 and support a healthy immune response.

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) specifically supports a healthy immune response.

Why Ocu-GLO™?

The ingredients in **Ocu-GLO™** provide optimal support for the lifelong health of the canine and feline eye.

- Helps maintain ocular health on a cellular level
- Combats 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, Oizumi A, et al. Anti-cataract activity of proanthocyanidin-rich grape seed extract in streptozotosin-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.