

# Växamine K-9™

## **A Completely Different Way to Deal with Inflammation!!!**

The Only All-Natural, Botanical COX-2 & 5-LOX Selective Inhibitor for Dogs.

### **Pain & Inflammation! A Breakthrough Has Taken Place...**

The battle against pain and inflammation took a major turn early in the 19<sup>th</sup> century when non-steroidal anti-inflammatory drugs became an important pharmaceutical treatment. In 2006, another revolutionary breakthrough has taken place.

Elara Nutraceuticals Inc. has stayed true to its direction of merging nature and technology with the creation of Växamine K-9™, the world's first and only all natural, botanical canine COX-2 and 5-LOX inhibitor. Växamine K-9™ is a safe, highly potent natural alternative for prescription strength anti-inflammatory pain relievers.

In the treatment of pain and inflammation, Växamine K-9™ sets itself apart in several ways when measuring up to other anti-inflammatories. However, Växamine K-9's™ most impressive attribute is that it out performs other so-called natural anti-inflammatories yet doesn't produce the harmful side effects associated with NSAIDs (non-steroidal anti-inflammatory drugs) like Rimadyl®, Etogesic® Deramaxx®, Novox®, Previcox®, Zubrin®, and Aspirin.

### **What is Inflammation?**

Inflammation is a normal and complex process caused by a reaction to injury or infection. It is caused by the body's release of hormone-like substances called prostaglandin E2 and leukotriene B4. These inflammatory-inducing agents are synthesized from arachidonic acid by the enzymes cyclooxygenase-2 (COX-2) and 5-lipoxygenase (5-LOX). There is also an increase of white blood cells in the area of injury or infection. This increased number of cells and inflammatory substances within a joint cause irritation, destruction of cartilage (cushions at the end of bones) and swelling of the joint lining. The physical symptoms of inflammation are pain, redness, swelling, heat, reduced performance, loss of function and stiffness. There are also psychological symptoms including lethargy, apathy, and loss of appetite and an increase of pain sensitivity. These symptoms are known as "Sickness Behavior".

Injuries can be caused by blunt trauma (i.e. an accident) or by a repetitive stressor over a period of weeks, months or even years. Natural deterioration of the body (aging) is also a precursor to inflammation. Inflammation can be acute or chronic. Acute inflammation usually last from hours to several days; it is self-limiting and rarely results in permanent tissue damage. On the other hand, chronic inflammation progresses slowly and can last for many months or years and will most likely result in permanent tissue damage. Some examples of chronic inflammation can be Arthritis, Tendonitis, Synovitis, and Bursitis as well as other conditions involving pain, swelling and stiffness.

## **Is Inflammation Bad?**

In the acute stage, for short periods of time, inflammation is normal. However, when inflammation lasts longer than just a few days it now becomes part of the problem by slowing down the healing process. This happens because chronic inflammation reduces local circulation and places continued stress on the surrounding tissues which can cause pain and cellular damage. Inflammation is also seen in some long term disease states known as "Chronic Inflammatory Conditions". Whether inflammation contributes to the cause of these conditions or is a response to them is not yet fully understood. However, it is believed that controlling inflammation may help alleviate these conditions or even prevent them.

## **What is the Answer?**

Although there are many natural canine products on the market that talk about anti-inflammatory ingredients few, if any, actually address the inflammatory process. In order to quickly, effectively and consistently reduce the damaging effects of inflammation you must target the inflammatory process itself. Through extensive research and development in the world of nutraceutical science, and with the use of its patented processes, Elara Nutraceuticals, Inc. has developed a canine formula that does exactly that. *Växamine K-9™* contains proprietary botanical compounds that have been proven to reduce inflammatory chemicals in human clinical studies. *Växamine K-9™* was actually more effective and selective in its actions than several human prescription anti-inflammatories. *Växamine K-9™* provides great results without the potentially harmful side effects caused by many pharmaceutical drugs. By safely and effectively inhibiting these two enzymes we dramatically reduce the levels of pro-inflammatory chemicals which in turn reduces inflammation throughout the entire body. *Växamine K-9™* can be safely used for long term care of your dog.

## **How Does Växamine K-9™ Work?**

*Växamine K-9™* uses a proprietary blend of synergistic ingredients to provide the highest possible level of anti-inflammatory properties. Utilizing a patented extraction process we are able to use "Bio-Chemical Specific Plant Extracts" to formulate highly effective nutraceutical compounds. One such extract comes from the hops plant. This natural extract is a highly selective inhibitor of two enzymes that cause inflammation (enzymes COX-2 & 5-LOX). These enzymes change arachidonic acid into pro-inflammatory leukotrienes which are then used by the body to create inflammation and pain. Our unique hops extract is so effective that in a human oral dosing clinical study it outperformed Celebrex® as a COX-2 inhibitor and was more selective than Vioxx®. This means that *Växamine K-9™* selectively inhibits COX-2 while leaving COX-1 virtually untouched. This is extremely important because COX-1 is involved in the production of prostaglandins that are vital to the health of the gastrointestinal and cardiovascular systems. Now you can get the results that you would expect from a drug but without the concerns of side-effects. Simply put, *Växamine K-9™* is very potent yet gastro and cardio friendly.

## A Breakdown of the Synergistic Ingredients!

- **Patented Hops Resin Extract:** (*The only one of its kind*) A proprietary powerful dual action, highly selective, enzyme inhibitor that provides potent anti-inflammatory properties while being gastro and cardio friendly.
- **Oleic Acid:** Is used to aid in assimilation of the compounds in the gut. Has been scientifically shown to support joint health by providing lubrication to the cell membrane.
- **Boswellia Serrata Resin Extract:** inhibits several inflammatory mediators and protects against collagen degradation, an important component of connective tissues.
- **SOD:** Researchers at the University of Messina (Italy) showed that Superoxide Dismutase (SOD) substantially reduced the erosion of cartilage and bone as well as chronic inflammation in animals.
- **Green Lipped Mussel Extract:** Has been shown to be useful in the treatment of Rheumatoid and Osteoarthritis. GLME contains a number of active compounds that work against inflammation and the destructive cycle of degenerative joint disease. This unique combination of compounds work together synergistically providing effects that promotes repair to cartilage and prevents further deterioration of the joint.
- **Yucca Extract:** Traditionally, yucca has been used orally to treat arthritis and related ailments such as bursitis and gout. One double-blind placebo-controlled trial concluded that use of yucca reduces arthritis symptoms (both Osteoarthritis and Rheumatoid arthritis).
- **Vitamin E:** Acts as an anti-oxidant protecting the other active ingredients from oxidative damage. It also protects red blood cells from rupturing and is important for healthy joint tissue and fluid.

## How Long Does It Take For Växamine K-9™ to Work?

Växamine K-9™ works very quickly! You should begin to see a reduction in pain and inflammation within the first 5 to 7 days. If you follow the suggested dosing schedule for your dogs weight and do the two day loading period you will be amazed with the results. Your dog will be pretty happy about it as well.

A clinical study found that the proprietary anti-inflammatory compound used in Växamine K-9™ begins to reduce the COX-2 enzyme within about 2 hours. Within 8 hours the study showed a reduction of 56%. This is extremely fast for a natural product. Keep in mind that the drug Celebrex® (a human anti-inflammatory) only reduces the COX-2 enzyme by about 45%. This makes Växamine K-9™ more potent than a prescription drug. See Växamine™ Clinical Study.

Just like with any natural supplement or drug it can take longer for some dogs than for others. The average time frame to see results is 5 to 7 days but some dogs may need up to 2 weeks to experience the maximum benefits of Växamine K-9™. Factors such as weight, gender, genetics, and condition severity can play a role.

## How Do I Administer Växamine K-9™ to My Dog?

Växamine K-9™ is a beef flavored, non-chewable caplet. The suggested dose is determined by the weight of your dog. Please follow the suggested dosage chart below. It can also be found on the bottle. Dosage should be given in two equal doses (morning & night). A 50 pound dog should get 1 caplet twice daily. Always double the suggested dosage for the first two days. Växamine K-9™ is not a drug and is very safe, so dosages may be adjusted according to results. You may increase the suggested dose until you get the desired results.

Weight (lbs)	Suggested Dosage (caplets)
1 to 60	1 Twice Daily
60+	1 ½ Twice Daily

### **Are There Any Contraindications With Medications?**

No! All of the ingredients in Växamine K-9™ are natural and FDA GRAS rated. According to the FDA there are no known side effects or contraindications with any drugs or other supplements. Växamine K-9™ is appropriate for all classes of dogs. There are no known racetrack or show restrictions. HYPP Safe (no added potassium). Although Växamine K-9™ is not a drug, and you do not need a prescription, it's always a good idea to consult your veterinarian before starting any new supplement program.

### **Where Can I Buy Växamine K-9™?**

Växamine K-9™ is available from your local veterinarian, tack and feed shop, and through veterinary supply catalogs. You may also order it directly from Elara Nutraceuticals, Inc. If you or your veterinarian has questions about Växamine K-9™ we invite you to call Elara Nutraceuticals, Inc. at (800) 609-5214. We would be happy to hear from you and are eager to answer any questions that you may have. You may also visit our website at [www.vaxamineK-9.com](http://www.vaxamineK-9.com).

### **Is This Formula Available For Humans?**

Yes! The human formula was developed first and is called Växamine™. This amazing formula and the results that a veterinarian experienced with his own pain and inflammation is the reason why we have made Växamine K-9™. After becoming pain free within 3 days of taking Växamine™ he decided to try it on dogs with arthritis and hip dysplasia. Here is what he has to say...

*The biggest difference between Växamine™ and other supplements I have used is that Växamine™ actually works... Within 12 hrs I could tell a difference. By the next evening, 36 hours after starting on Växamine™ I was in heaven, no pain in my hips or knees and I got the best sleep I have had in weeks. I was so impressed with the product that I contacted the manufacturer and asked them if they could come up with a formula for dogs. Like I told the makers of Växamine™, "If it works as well on dogs as it has on me you have really got something".*

*I am very pleased with the results that I have had on dogs with hip dysphasia. Within days the difference in the animal's ability to move freely is quite remarkable. I have now purchased several cases of Växamine™ so that I can continue to test it with other inflammatory conditions. So far the results have been outstanding! I would recommend Växamine™ to anyone who is looking to reduce pain and inflammation and wants to do so in a natural way. David L. Biehl, DVM (800) 934-9398*

**Växamine K-9™**

(Natural COX-2 & 5-LOX Inhibitor)

[www.vaxamineK-9.com](http://www.vaxamineK-9.com)  
Toll Free 800-609-5214