

Pet Enzymes Plus™

Joint and Muscle Formula for Pets

With L.E.A.D.S.®

Live Enzyme Activated Delivery System®



Available at NWCnaturals.com

**Normalize inflammation and improve mobility—
for occasional muscle pain, joint pain, and healthy aging.**

Pet Enzymes Plus™ combines 5 products into one pet formula.

Degenerative joint disease is a broad term used to describe a number of conditions in dogs that result in joint pain, including osteoarthritis, hip dysplasia and inflammatory joint disease. Inflammation is a common condition in dogs and many researchers believe as many as 20 percent of all dogs will experience inflammation and pain at some point in their lives. Overweight or inactive dogs, large or giant breeds are at increased risk for this condition. Certain breeds have an increased risk of these types of conditions, including the Saint Bernard, Golden retriever, Rottweiler, Labrador retriever, Newfoundland, German shepherd, Bernese mountain dogs, old English sheepdogs and great Dane. Any dog could potentially have joint issues in their hips and knees, but sometimes small pups that were bred for certain qualities, like short legs, face more problems than other breeds. If you find your little canine limping, he may have a problem.

Pet Enzymes Plus™ is a natural Support system for occasional muscle and joint pain.

A natural approach to occasional muscle and joint pain should include regular exercise, stretching, a healthy diet and more. **This Systemic enzyme formula, with super-antioxidants, helps normalize inflammation!**

How is Pet Enzymes Plus™ different from other pet joint formulas?

Most pet joint formulas fall back to the old standby of glucosamine hydrochloride and chondroitin sulfate. **There are NO edible food sources that contain glucosamine or chondroitin.** It's not something pets or humans would ever consume in food. It is not really a natural approach to joint health. It's no wonder that Glucosamine hydrochloride can cause gas, bloating, and cramps. Side effects of Chondroitin include nausea, diarrhea, stomach Pain, bloating and vomiting. Chondroitin has also been associated with unpleasant gastrointestinal reactions and potential blood thinning effects. For these reasons and more....



NWC Naturals™ Pet Products LLC has chosen a different and proven way to support the joint health of pets.

Pet Enzymes Plus™ uses only the highest quality vegetarian enzymes that work in a very broad Ph range. This formula contains four different proteolytic enzymes including bromelain. It also supplies these other synergistic support ingredients. High curcuminoid turmeric, MSM methylsulfonylmethane, Boswellia serrata, Mojave Yucca root extract, tomato lycopenes and. Manufactured with the strictest manufacturing standards to insure purity and efficacy the highest quality results can be expected. Pet Enzymes Plus™ is tested at many levels to insure that you receive the benefit for which you are paying. It's safe, all natural and there are no side effects.

Ingredient Overview

Bromelain

Bromelain is a plant derived proteolytic enzymes. Bromelain, also known as bromelin, is a protein-digesting enzyme extracted from the flesh and stem of the pineapple plant. Bromelain is most notable for its effectiveness in normalizing inflammation and decreasing swelling, but the scope of its benefits continues to increase. As a natural systemic enzyme, bromelain has many uses. Thus, the benefit of bromelain occurs over a broad range of doses and even small amounts may be beneficial. Bromelain is very effective in breaking down organic allergens, such as pollens, grass allergens, dander, ragweed, and even flea bite saliva.

Proteolytic enzymes (Protease)

The term "proteolytic" refers to all enzymes that digest protein. Other classes of enzymes include Amylase a digestive enzyme that breaks down carbohydrates and Lipase a digestive enzyme that breaks down fat during the digestive process. Each of these enzymes will help in the digestion of food, which in turn helps with absorption of those essential nutrients in the diet. In the body, proteolytic digestive enzymes are produced in the pancreas, but supplemental forms of enzymes may come from vegetarian sources, extraction from the pancreas of livestock animals (trypsin / chymotrypsin) or extraction from plants (such as papain from the papaya and Bromelain from pineapples). The primary uses of proteolytic enzymes in dietary supplements are used as digestive enzymes, but they can also be used to increase mobility and normalize inflammation.

There are a number of clinical trials showing the benefit of using oral proteolytic enzymes as a digestive aid. Proteolytic enzymes are also theorized to help reduce symptoms of food allergies and also support immune system. When an athlete works a muscle he produces micro-tears in that muscle. This is called inroad and is necessary to make a muscle grow stronger and bigger. Before the body can grow new muscle tissue it must first remove the damaged tissue caused by the exercise. White blood cells, called macrophages, will flock to the damaged muscle and start clearing out those damaged cells. Systemic proteolytic enzymes, taken orally, can digest and breakdown damaged tissue thus speeding up the healing process. Proteolytic enzymes actually support macrophage activity.

Perhaps the strongest evidence for benefits of proteolytic enzyme supplements come from numerous European studies showing various enzyme blends to be effective in accelerating recovery from exercise and injury in sportsmen as well as tissue repair in patients following surgery. In one study of footballers suffering from ankle injuries, proteolytic enzyme supplements accelerated healing and got players back on the field



Suggested Use:

Use one chewable tablet twice a day in between meals for every 20 lbs. of body weight. These chewable tablets can be broken in half easily for smaller pets.

Ingredients: Calcium Phosphate, Natural Cheese Flavor (contains milk), Flax Seed, Methylsulfonylmethane (MSM), Carob Bean, Mojave Yucca Root ext., Protease 4.5, Natural Bacon Flavor, Calcium Glycinate Chelate, Brewer's Yeast, Curcumin Extract from Turmeric (rhizome), Manganese Glycinate Chelate, Magnesium Stearate, Silica, Boswellia Serrata (resin) Extract, Bromelain, Peptidase, Lycopenes, Protease 6.0

L.E.A.D.S.® Live Enzyme Activated Delivery System®: Protease 4.5, Calcium Glycinate Chelate, Manganese Glycinate Chelate Peptidase, Protease 6.0.



Manufactured Exclusively for NWC Naturals™ Pet Products LLC Laguna Hills, CA 92653



support macrophage activity.

about 50% faster than athletes assigned to receive a placebo tablet. A handful of other small trials in athletes have shown enzymes can help normalize inflammation, speed healing of bruises and other tissue injuries (including fractures) and reduce overall recovery time when compared to athletes taking a placebo. They help prevent inflammation by assisting the body in properly absorbing foreign protein fragments that can build-up in joints and tissues. Studies show that protein build-up in the joints and tissues are a major cause of occasional pain and inflammation. These important proteolytic enzymes break down proteins from food to release important nutrients (peptides and amino acids) for absorption into the body. They also work systematically by breaking down foreign protein fragments before they can cause an inflammatory or allergic response.

Peptidase

Peptidase contains very high levels of exo-peptidase activity and is able to provide a high degree of protein hydrolysis, breaking down peptides completely into amino acids. Peptidase works synergistically with endogenous enzymes to provide protein digestion throughout the entire digestive tract. Scientific evidence suggests that proteolytic enzymes, such as peptidase, can be useful supplements for digestive support, immune support, cardiovascular support, and general nutritional support.

Ultra-Pure MSM™

Methylsulfonylmethane is a nutrient found naturally in wheat grass, raw broccoli and even mother's milk. It has been clinically shown to promote healthy joints and tissues. In its purified form, it is an odorless, essentially tasteless, white, water-soluble crystalline solid. It is one of the safest substances in biology, similar in toxicity to water. The human body is constantly building and repairing itself using vitamins, minerals, proteins, etc. as construction materials. MSM is the cement that holds them together. Without enough MSM, cells become thin and tough resulting in leathery tissues that trap toxins in and oxygen and nutrients out. Many years of clinical use at Oregon Health Sciences University has demonstrated that MSM provides and supports normalized inflammation and improved mobility without serious side effects: improved digestion and absorption of nutrients, improved regularity, increased oxygenation, higher energy levels, and healthier cells. NWC Naturals™ Pet Products LLC exclusively uses Ultra-Pure™ MSM. Ultra-Pure™ MSM is all natural, non-toxic and is 99.9% pure. Ultra-Pure™ brand MSM is a non-animal-based nutritional supplement derived from pine trees. MSM has a long history in successful veterinary use.

Botanical Ingredient Overview

High Curcuminoid Content Turmeric

The active ingredient in this herb, curcuminoids, has been shown to include superior antioxidant properties. Turmeric is used as an anti-oxidant in support of conditions affected by free radical damage. Turmeric, which is a common ingredient in curries, shows great anti-inflammatory actions. Turmeric has also been used in Ayurvedic medicine for centuries. The ORAC scale is a measurement of free radical fighting powder and a mark of the anti-oxidant properties of a food. Turmeric is rated at 127,068, which is way higher than Acai berry extract. Fresh vitamin C is rated at only 2103 on the ORAC scale.

Boswellia serrata

Boswellia is an herbal medicine extracted from the gummy resin of the tree bark of *Boswellia serrata*. Extracts of *Boswellia serrata* have been clinically studied for osteoarthritis and joint function, particularly for osteoarthritis of the knee. There are positive effects of *Boswellia* in some chronic inflammatory diseases including rheumatoid arthritis. **A study was conducted to determine if Dietary support with Boswellia resin could help in canine inflammatory joint and spinal disease.** An open multi-centre veterinary clinical trial, comparing conditions before and after treatment with an herbal dietary supplement consisting of a natural resin extract of *Boswellia serrata*, was conducted by 10 practicing veterinarians in Switzerland. This traditional plant-based supplement is known for its anti-rheumatic and anti-inflammatory properties. 29 dogs with chronic joint and spinal disease were enrolled. Osteoarthritis and degenerative conditions were confirmed thru X-rays in 25 of 29 cases. The *Boswellia* resin extract was administered with the regular food once daily for 6 weeks. Already after 6 weeks of treatment a statistically significant reduction of severity and resolution of typical clinical signs in individual animals, such as intermittent lameness, local pain and stiff gait, were reported.

Mojave Yucca root extract

Used to treat both rheumatoid and osteoarthritis The steroidal saponins in yucca work with the natural immune functions of the body, and assist the body in using and producing its own steroid related hormones.

Tomato Lycopenes

Lycopenes, the predominant carotenoid in tomatoes, may have enormous significance in supporting good prostate health due to their potent activity. Researchers have found tomato lycopenes hold one of the most powerful antioxidants that neutralize harmful free radicals. Tomato Lycopenes have been shown to support healthy heart function.

Mineral Complex

Calcium and Manganese, as amino acid chelates, support the body in many ways, including: muscle relaxation, reduced joint pressure, bone and tissue health and enzymatic reactions central to inflammation responses in the body. Individuals can easily become calcium deficient when suffering from a pain or inflammation condition due to stress and the strong medications, like NSAIDs, often prescribed. NWC Naturals™ Pet Products has included a highly bio-available chelated form of **Calcium** (TRAACS®) in this formula to help support calcium supplies in the body and overall enzyme activation. It helps to restore proper nutrient balance in the blood stream and stop the leeching of calcium from the bones. **Manganese** also as a true amino acid chelate (TRAACS®) is vital to normalizing inflammation and improving mobility because it cooperates with enzymes, helping to facilitate dozens of different metabolic processes. This is due to its synergistic role with SOD (super oxide dismutase) an important antioxidant enzyme. It works to increase the activity of SOD. It is also essential in the formation of cartilage tissue. The chelated form of manganese is being used because of its increased absorbability.

QUESTIONS?

1. What type of research is behind the Pet Enzymes Plus™ formula?

Pet Enzymes Plus™ combines the latest research and clinical studies into one powerful formula. Each ingredient has been independently researched by the most respected names in their fields. Pet Enzymes Plus™ is a formula you can trust because its ingredients are clinically tested and proven.

2. Are there any side effects, is Pet Enzymes Plus™ is safe to take with medications?

Pet Enzymes Plus™ has no known side effects. Also, there are no known drug interactions and the ingredients do not alter the action of any medications.

3. I am already giving my pet MSM, why add this formula also?

Pet Enzymes Plus™ combines 5 products into one super charged formula. Plain MSM is a good nutrient to supplement your pet's diet but plain MSM will not give you the systemic enzyme herbal effect like the combined ingredients in Pet Enzymes Plus™. This is a highly effective formula that gives you results within a few days to a few weeks by addressing multiple problems in your pets system for overall health.

4. Why is it best to give Pet Enzymes Plus™ without food in-between meals?

Proteolytic enzymes that reduce inflammation will also digest dietary protein like that in kibble or canned food. If **Pet Enzymes Plus™** contacts that food, some of the power of those enzymes will be redirected to digest the food rather than help with the inflammation. It will still help, but to maximize the benefit without food is preferred.

5. My pet is allergic to sulfur. Can I use this formula?

Pet Enzymes Plus™ does not contain any sulfur like the type that makes matches burn or fireworks ignite. It does contain a highly nutritious nutrient Methylsulfonylmethane or MSM, sometimes referred to as nutritional sulfonyl sulfur. MSM should not negatively impact your pet in any way. MSM has a long history in successful veterinary use.



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