



Deserving Pets Vital Vitamins

A Comprehensive Review for Pet Owners

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BIOAVAILABILITY AND SOURCING

Pet foods do not provide the minerals and vitamins pets need to maintain health. Vitamins are essential to supply components necessary for metabolism. Many commercial pet foods advertise added healthy ingredients. In fact, the processing destroys the value of almost all of them. Additionally the mineral content of pet food is often imbalanced. This is creating an epidemic of bladder crystals and stones.

In vitamin supplements, mineral source directly affects bioavailability. For example, desiccated bone meal is a common source for calcium. Calcium in this form cannot be absorbed through the gut while the toxic lead and cadmium that it carries is absorbed. I believe the incorrect bio-available balance of minerals in pet foods and the common but poorly formulated pet supplements are an important reason in explaining why we are seeing so much arthritis and particularly urinary crystals and bladder stones in pets. There is a discrepancy in the proper balance and bioavailability of common minerals.

Calcium has to be water soluble (calcium from leafy greens) and in a acidic environment to be absorbed by the gut or it has to be chelated to an amino acid chain which gets absorbed and then pulls the calcium into the system along with it. Poor quality sources are difficult to detect on the labels. DP Vitamins incorporated calcium citrate, which is in an acidic form and bio-available, water-soluble calcium from green leafy greens.

CORRECT PROPORTIONS DESIGNED USING SCIENTIFIC RESEARCH ON METABOLISM

Certain vitamins play a very major role in mineral utilization and excretion. Vitamin D3 is very important for mineral metabolism and bone function. A very high incidence of Vitamin D deficiency is now being found in humans. Milk is fortified with D2 but D3 is the active form. Vitamin D3, called the 'sunshine vitamin', needs sunlight to be created in the body. Little or no sunlight equals little or no D3 in the body. In fact cats do not have the enzyme in their skin necessary to convert vitamin D into the active D3 form. The solution is to ingest it in a supplement. Vitamin D3 is also very important for immune function and is a proven reason why people contract fewer colds and flu during the summer months.

Without adequate Vitamin D3, both mineral balance and immune function suffers. Most pet supplements include a small dose of Vitamin D. Deserving Pets includes a very generous dose for both dogs (300 IU) and cats (100 IU).

It's important to note that most pet supplements do not provide ingredients in either mg. or IU. Additionally, they appear to have thrown some healthy things into a general mix and then flavored it with the by-products of the beer industry- Brewer's Yeast. They are prohibited from adding vitamins, such as the B's in a healthy and balanced proportion, because of the bad taste, and the added Brewer's Yeast (a cheap attempt to mask the flavor) is highly allergenic in many dogs and cats.

Deserving Pets human grade vitamins go through a special process that thoroughly masks any bad taste, creating a palatable vitamin for both dogs and cats.

With regard to bladder crystals and stones, Vitamin K1 specifically prevents Calcium from being unnecessarily flushed into the bladder. Vitamin K1 and Vitamin D3 work synergistically together. Calcium oxalate stones have become very common but no one knows why. Vitamin K1 has been known for its clotting functions and is now known to prevent calcium from unnecessarily flushing into the bladder. The addition of K1 should have an important role in preventing and handling these stones.

PREVENTING URINARY CRYSTALS AND STONES AND ARTHRITIS ELIMINATING CRYSTALS WITH CORRECT MANAGEMENT

What this all means in real life is if pets get a correct, easy to assimilate, quality sources of a balanced formula of Calcium, Magnesium, Phosphorus, Vitamin D3 and Vitamin K1 in a correct acidic environment their mineral metabolism which: (1) creates healthy bones and joints and (2) prevents excess unhandled, imbalanced minerals from flushing into the bladder- we will see, as a direct result, healthier joints and fewer bladder crystals and stones.

Of course, the correct combination started in a healthy dog or cat will work to effectively prevent bladder crystals and stones and create healthy bones. Deserving Pets Vitamins have been designed to both help and prevent these two common problems.

TREATING AND PREVENTING URINARY TRACT INFECTIONS

D P Vitamins also have both cranberry and Vitamin C. Vitamin C is a great anti-oxidant and acidifies the urine, but only for a few hours after it is taken. Cranberry works to acidify the urine for almost an entire day. Remarkably, phytochemicals from food are present and working in the body to promote health for a much longer time than vitamins and minerals, the latter getting used up more quickly. Cranberry also has in it a polysaccharide called mannose which selectively binds to bacteria to carry them right out of the bladder. In fact, bacteria prefer binding to mannose rather than to the cells of the bladder wall. Taking cranberry on a daily basis helps to prevent urinary tract infections.

The cat formula has milk thistle in it and the dog formula will soon too. (due to popular demand). Milk thistle is an herb that has been used for centuries. While it's beneficial effects on the liver are well-advertised, many people are not aware of the fact that it also works to prevent crystal and stone formation in the bladder. Because cats have so many urinary tract problems, the cat formula also has dandelion in it. This herb has been researched for years for its capacity to heal and detoxify the urinary system. Dandelion is also an excellent source of potassium. Both the dog and the cat vitamins include parsley

whose phytonutrients have a beneficial effect on the bladder. Parsley has more vitamin C in it than strawberries.

In summary, all the above components: balanced minerals, vitamins D3 and K1, cranberry, vitamin C, dandelion, parsley and milk thistle all work together to maintain bladder health.

PREVENTING HYPOTHYROIDISM AND SUPPORTING THE THYROID

Hypothyroidism has been on the rise in the canine population. DP Vitamins contains Iodine in the form of kelp along with selenium, two very important supplements for healthy thyroid function.

SKIN AND COAT SUPPORT

There is usually a noticeable improvement in the coat of a dog or a cat after just a few weeks on these vitamins. Of course, the new shining coat is only a reflection of their better internal health. The DP Vitamins mix contains biotin, zinc, flax, Vitamin C and grape seed extract all excellent for the skin and coat. Animals who have skin allergies have been shown to need more vitamin C and zinc.

Recent research in Sweden showed that children who begin supplementation at an early age with a multivitamin/mineral have a 39% less chance of contracting allergies.

LIVER SUPPORT AND DETOXIFICATION

The liver performs hundreds of functions and the cells of this organ work hard to remove toxins from the body. Kale contains phytochemicals that 'clean up after the party' about ten times faster. Kale has also been shown to flush carcinogens out of cells significantly faster.

Milk thistle dependably detoxifies the liver and helps to maintain hepatic health. There is no problem with daily dosing as it simply works to create a healthier liver that is doing a better job.

Antioxidants such as Vitamin C and grape seed extract also have a significant effect on increasing liver health. Vitamin E has a special role in preventing and treating Hepatic Lipidosis in felines.

DIGESTIVE SUPPORT

Apples and pumpkins are both rich in fiber and provide healthy roughage as well as their beneficial phytonutrients. Parsley and dandelion aid in digestion and parsley also freshens the breath.

DIABETES

There are many cats and dogs with diabetes that is difficult to regulate. Vanadium is a mineral that in trace amounts facilitates the uptake of glucose by the cells. Chromium deficiency impairs the body's ability to use glucose to meet its energy needs and raises insulin requirements. It has been suggested that it may help to control glucose and insulin responses in persons with diabetes. These important minerals are included in DP Vitamins

CARDIAC PROBLEMS

Deserving Pets Vitamins have a wide variety of antioxidants. Vitamins C and E work together synergistically. Grape seed extract is also a powerful antioxidant. Cats cannot produce taurine, an important amino acid. Therefore, Deserving Pets included a generous portion of taurine for it is important for retinal and heart health. Deserving Pets considered all the latest research in species utilization to formulate these vitamins.

CANCER PREVENTING INGREDIENTS

The beautiful colors in fruits and vegetables are created from some very healthy compounds, called *phytochemicals*. Certain fruits and vegetables, because of their powerful disease preventing effects, have been dubbed 'super-foods'. Phytochemicals have been shown again and again in scientific research to protect against disease. The bright orange colors result from the high levels of healthy *beta carotene* in our orange vegetables. The dark vibrant greens in Kale leaves are rich in *cartenoids*, which travel throughout our pet's bodies to scavenge free radicals and clean up 'after the party'. Kale is also rich in elements that reduce the risk of cancer. Scientists have found that compounds called *glucosinolates*, *cysteine sulfoxides* and *sulforaphane* found in kale will boost your pet's body's to clear carcinogenic substances more quickly. One study found that animals with cancerous tumors who were fed *kale* had tumors that were smaller and grew more slowly. Berries and broccoli have also become famous for their health benefits and their cancer fighting abilities.

A sad but true fact is that the *most prevalent cause of death in dogs over 2 years of age* in the United States is **cancer**. It's high time we change that ominous statistic by providing our pets with the tools they need to stay healthy. Cancer scientists and nutritionists agree that increased intake of the kind of raw vegetables provided in Deserving Pets Vitamins decreases the risk of cancer by 20%-30%. That's truly significant.

We're all experienced holistic consumers who fully understand the value of disease prevention. Abundant articles describe to us the many avenues available for humans nowadays to prevent disease. Yet our dogs and cats are afflicted with bladder crystals and stones, arthritis, liver failure, diabetes, cancer, kidney failure and many other chronic diseases. And these diseases are scientifically proven to be preventable. Did your children ever have recurrent bladder stones? Why are we seeing so much of it in our pets? I personally feel the reason for this is unbalanced and inadequate nutrition.

Important nutrients include the vitamins, minerals and phytochemicals that are so very scarce in the diets of today's world. The food your pet eats should be supplying all the nutrients he needs to meet his needs. But most of the processed, packaged pet foods simply do not provide essential factors for health. Additionally, home made foods are often derived from produce and protein grown on large scale factory farms and are therefore lacking many trace nutrients needed for optimum health. For instance, the bacteria that create B 12 which goes into vegetables and fruits are at 40% or less of the levels they were at in the 1950's

All of the reasons above, on an individual basis, give good rational for administering a quality, human grade, balanced and complete supplement to pets. The incentive for giving this effective 'health insurance' to our pets only increases when the entire scenario of common health problems is considered.

It's been proven – repeatedly and scientifically- to work in humans. Do our furry children deserve less?