



HAMPL™ Pet Formulas

Holistic Animal Remedies

PRODUCT CODE AN163 Digestive Enzyme Deficiencies	Pages 5
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Helps with restoring the good bacteria of the flora in the gut from past or present antibiotics, assists in digestion for animals that are unwell, chronic illness or the elderly - *Clinical studies have found that all cancer patients they have found have enzyme deficiencies.*

A unwell pet, or if they are 8 yrs and over need enzyme assistance.

Malabsorption syndrome keeps many dogs, cats and horses becoming healthy or staying healthy.

Digestive Enzymes are produced in the pancreas and salivary glands and help break down the protein, carbohydrate, and fat components of food for use by the body. As animal age, the production of these enzymes often slows down. Deficiencies can also be genetically related, and symptoms will show up among puppies.

Common signs of deficiencies are voluminous stools, often with indigested fat clearly visible, animals that eat their own faeces, and animals that are overtly underweight despite big appetites.

Protease is the enzyme that breaks down protein.

Amylase works on carbohydrates.

Lipase is the fat-breaking enzyme.

Through a report from a veterinarian observation about 70% of patients he found cannot digest food properly.

One classic sign of a Trypsin deficiency is an animal eating its own stool. This is overlooked in many vet practices. Testing the stools for trypsin enzyme deficiencies is recommended. Trypsin is a major pancreatic digestive enzyme that contributes to the breakdown of protein, fats, and carbohydrates.

The causes of trypsin deficiency are basically two fold:

- Genetic - the problem is a hormonal-immune disorder due to contemporary breeding practices - cross breeds also.
- Acquired - Viral and bacterial infection, or any insult to the pancreas, can affect trypsin production. The aging process also slows down the pancreas and often interferes with enzyme activity.

Without these digestive juices, the result is malabsorption of food nutrition's and often food allergies.

Dogs love **cat stool** because protein levels are way too high in cat food and cats cannot digest the food totally. There fore animals who are seeking and needing more nutrition/protein find feline stools like a piece of chocolate.

Another aspect of malabsorption is when a dog eats non food items ... **Plastic, socks, thread, paper. This can also be called PICA (a sign of being anemic)**

See our formula **PICA FORMULA DROPS (AN273)** Or

Stool Eating (AN298)

If young dogs/pups or adults - Eat dirt or plastic, it may also be a sign of trace mineral deficiency. So add a good trace mineral. Look into PICA formula as well.

* Kelp powder is a good provider (May need enzyme supplement as well.)

A Cat that is eating kitty litter ?

Homeopathic Cina 6C Repeat three times daily.

This has been fatal for some felines, as some of those commercial cat litter grains are highly toxic e.g. Clumping litter please avoid and check if natural fibres only clay or paper grains.

Also add several drops of the **ReMyte Minerals** drops to support missing minerals in body – very important as this is the foundation of good health.

If dog eating/chewing/clicking plaster ?

a Calcium malabsorption symptoms.

So use the Biochemic Salt tissue: **Calc Phos 6X** A Daily dose for a number of months. Either add to water or on body or in meals as many times a day as possible initially to get a faster response.

Stool eating

(coprophagy - lack of digestive enzymes or genetic flaws, or poor diet)

* **See Formula and information AN298.** So add to daily meals **Enzyme powder/tablets** or Homeopathic enzyme drops. Add in meals Raw grated Zucchini

Thiamine B1 (check if you buy a B-complex tab it has biotin and Thiamine B1 in it.) We have also found adding **Organic Apple Cider Vinegar** (not white vinegar) helps digestion also.

For canines you could add a teaspoon in water dish each time you change it. And in daily meals.

For felines and toy dogs you could add 3 drops into daily meals and water dish.

Dogs that seeking out their own or other animals stools is called Coprophagy (or coprophagia) and I believe that it a nutritional disorder.

As we know dogs are notorious scavengers and will slurp up faeces of their own, other dogs, cats, cattle and horses, particularly when the stool contains partially digested food or high in protein and other missing minerals and enzymes. A lack of enzymes, vitamins or minerals from the incomplete digestion of meat can cause the search for another source of foods/stools.

Experimentally, an induced Thiamine (VitB1) deficiency resulted in coprophagy.

- **Dogs** that eat their own faeces or other dog's faeces could be suffering from a lack of enzymes such as Thiamin (vitamin B1). Dogs with acute thiamin deficiency develop bilaterally symmetric grey matter necrosis; chronic deficiencies can progress to myocardial and peripheral nerve degeneration.

Puppies fed thiamin deficient diets experience... **slow growth, inappetance, weight loss, coprophagia, neurological abnormalities (circling, torticollis, ataxia, and central nervous system depression) and sudden death.**

- **Horses** do not digest food very efficiently, and it is known that horse and cow manure contains large amounts of active bacteria, enzymes, minerals. One source indicates that dogs who favor horse stools are seeking out the fibre, which doesn't hold with BARF basics.

- **Cats** eat a rich, carnivorous protein diet with an abundance of undigested amino acids. To stay healthy they need good quality protein – which they can only get from real meat - no artificial tin food or biscuits.

Cats: Cats fed a diet that is thiamin deficient diet develop - anorexia initially, followed by progressive clinical signs of neurological involvement in 1-2 weeks.

The neurological signs include flexion of the head, impaired proprioception and righting reflexes, seizures, progressive weakness, and death.

Kittens fed thiamin deficient diets can also develop - ataxia and mydriasis.

Bilaterally symmetric grey matter necrosis is also a feature of thiamin deficiency in cats and kittens



Dogs quite commonly seek out cat stools for this reason. Therefore, it could be said that dogs are looking for extra enzymes and nutrition once again. Some authorities believe it is an ancestral trait when dogs had to search for extra nutrients such as B vitamins made by intestinal bacteria or vegetable fibre broken down by digestion.

One theory blames enzyme deficiency that can be corrected by feeding glandular organs, (heart, liver, etc.) and by use of digestive enzymes added to their daily diet.

Some veterinarians believe it is a method the dog uses to conserve the enzymes that are in short supply.

I have found that by adding certain supplements to a dogs meal, it sorts this problem out.

FOR ALL DIGESTIVE CONDITONS

Start by adding some
Digestive enzyme powder to each meals

B Complex (use Bee Pollen grains or powder from capsules) e.g a teaspoon of Bee pollens in meals for canines) add a few grains of bee pollen for in meals for feline and toy dog or other small animals..

Probiotic powder

I really like and recommend either the:

" ProBiotic 12 Powder" * 200 Billion CFU's (brand - Seeking Health)
from Seeking Health website or other website also sell this.

"RAW Probiotics Ultimate Care" Capsules *100 Billion CFU's (Band- Garden of Life) The above from Garden of Life can be purchase at www.iherb.com

Less potent – but has strains that are great for pets.

Dr Formula Nexaboitc capsules 35.5 Billion CFU's
www.drformula.com

They are expensive, but they work the best I have ever tried. I have tried many and they just didn't make a difference. Many of the Probiotics are very weak, these are all strong probiotics, so you don't need much per day.

If initially it upsets stomach, or loose stools, what works is to take a lower strength of a Probiotic for 2 weeks, then go back to the powerful one and all will be good,

* Pets and whole family can take these. It takes 2 months to fully restore gut flora. As a dog comes to the age of 8 yrs, their digestive system starts to weaken, thereby causing



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inability for them to absorb the good foods we feed them. Ultimately this can produce aging and other chronic health deficiencies.