

Total-Biotics®

With L.E.A.D.S.®
Live Enzyme Activated Delivery System®
The most complete Pro-Biotic formula for your pet!



NWC Naturals®
PET PRODUCTS

For more information go to
Total-zymes.com Or call 888-207-3480

“The only pet probiotic made with 14 Different Species of Stable Live Probiotics and over a billion CFUs per scoop!”

Probiotics are linked to good health and long life...

For centuries humans and pets alike have benefited from having a robust probiotic balance in the gut. But that may not always be the case because of external factors. What will upset the balance of probiotics in the gut?

- Preservatives in food and treats
- Anti-biotics in the food supply
- Prescriptions and other medications
- Chlorinated water
- Stress

A Large breed pet weighing 65-70 pounds needs up to 1.5 pounds of beneficial bacteria in its gut to protect against disease and illness!

Probiotics help with the microbiome in the gut, including vitamin production and keeping the immune system healthy. Probiotic bacteria in our pets' bodies are essential to supporting good health. Unfortunately, every time your pet drinks chlorinated water, eats fatty foods, gets stressed or become overly tired, your pet unknowingly kills the good bacteria in their bodies. Even the pet foods we feed our pets to keep them healthy, like meat and poultry can contain antibiotics, further reducing the levels of good bacteria. For most pets this means every day, the lack of probiotics negatively affects their bodies' ability to stay in peak condition.

What are the benefits of Total-Biotics®?

- ❑ **Support a strong immune system**
- ❑ **Support good digestion**
- ❑ **Normal Candida Yeast Probiotic Balance**
- ❑ **Healthy Bacterial Growth in Gut**
- ❑ **Helps manufacture B-vitamins**
- ❑ **Promote proper elimination**
- ❑ **Help absorb iron from the diet for strong blood**



With Over 23 years' experience

NWC Naturals® Pet Products (the makers of Total-Zymes®) delivers a convenient powder formula with an outstanding 14 stabilized strains of pro-biotics! It's the perfect companion product to Total-Zymes® the digestive enzyme formula. Together they are the one-two punch for complete digestion and intestinal health for your pet.

Total-Biotics® is specially formulated with an astounding 14 species of stabilized probiotics, instead of the usual 1 – 2 forms provided in most other products. It also contains **1.6 billion CFUs** (colony forming units) in each scoop at time of manufacture. Now with more pre-biotics.

Total-Biotics® is safe and contains only the highest quality human grade ingredients formulated just for pets with the strictest manufacturing standards to ensure purity and efficacy without a high cost. It is safe, all natural and there are no side effects.

Ingredient Overview

NWC Naturals® Pet Products LLC selected probiotics that are all AAFCO approved ingredients, for safe use by dogs and cats. Total-Biotics® is formulated especially for pets by John R Taylor N.D. The Author of “The Wonder Of Probiotics”.

#1 Acidophilus— Acidophilus is the most effective probiotic strain. Called the "sticker strain," Acidophilus has the ability to actually cling to the intestinal wall without harming it. In fact, it is best known for its ability to move un-disrupted through the stomach and into the intestines where it eats away at the bad bacteria. It is known for reducing the occurrence of constipation and diarrhea, increasing nutrient uptake (especially calcium).

#2 B. bifidum— Is a normal inhabitant of the intestines. Found in large numbers, the numbers of bifidobacteria decrease with age. B. bifidum helps detoxify the intestines and promote regular bowel movements

#3 Bacillus coagulans—Has been added by the EFSA to their Qualified Presumption of Safety (QPS) list] and has been approved for veterinary purposes by the U.S. Food and Drug Administration's Center for Veterinary Medicine, as well as by the European Union and is listed by AAFCO for use as a direct fed microbial in livestock production. It is often used in veterinary applications, especially as a probiotic in pigs, cattle, poultry, dog and cats.

#4 Bifidobacterium breve: Different species and/or strains of bifidobacteria may exert a range of beneficial health effects, including the regulation of intestinal microbial homeostasis.

#5 B. lactis (B. animalis): is a Gram-positive anaerobic rod-shaped bacterium, which can be found in the large intestines of most mammals, including humans. Bifidobacterium animalis and Bifidobacterium lactis were previously described as two distinct species. Presently, both are considered B. animalis with the subspecies Bifidobacterium animalis subspecies animalis and Bifidobacterium animalis subspecies lactis. Both names B. animalis and B. lactis are still used on product labels, as this species is frequently used as a probiotic in pet products.

#6 B. longum— Aids in the cleansing and health of the colon and liver.

#7 L. brevis— is a species of lactic acid bacteria, all of which are Gram-positive, non-spore forming organisms whose main metabolic pathway involves fermenting hexose sugars to produce lactic acid. L. brevis can be isolated from the food sources in inhabits, one example being kimchi. This bacteria is probiotic, and supports the immune system.



#8 L. casei— Is known for its ability to support a healthy immune response that is helpful in supporting a healthy urinary tract.

#9 L. plantarum— Can be found in naturally fermented foods. It is found in the large intestine where it helps to break down protein into usable nutrients

#10 L. rhamnosus: Is one of the more highly studied probiotic strains, primarily used in support of normal gastrointestinal health. It also aids the body in balancing the normal flora ecology and supports a healthy urinary tract

#11 Lactococcus lactis— Has been shown through research to produce a high amount of lactic acid, which is able to support a good gut and a normal intestinal flora.

#12 L. salivarius: Has been shown through research to produce a high amount of lactic acid, which can support a normal intestinal flora.

#13 L. Bulgaricus— Is one of several bacteria used for the production of yogurt. It is also found in other naturally fermented products.

#14 Streptococcus thermophilus: Is known for its effectiveness in free radical damage from aging, stress, chlorinated water and other chemicals. It also contains an antioxidant that helps support the immune system.

Pre-biotics- Inulin IQ FOS (Fructooligosaccharides) - Inulin IQ FOS (Fructooligosaccharides)- Chickory Root is one of the best-known all natural pre-biotic, FOS is known to promote the growth of beneficial bacteria in the gastrointestinal tract. It has been shown to stimulate growth of bifidobacteria in the colon where many issues first take root. Supplementing with FOS can greatly increase metabolic activity in the colon. Healthy colon function is vital to a properly functioning immune system.

The only patented stabilized glutamine in the world- MGG chelate- This stabilized Glutamine re-writes the book on utilizing anabolic nitrogen molecules to help cleanse and fortify the body. Glutamine yields beneficial effects on the intestinal mucosa and is also the major metabolic fuel for the small intestine. The addition of the chelated glutamine to Total-Biotics ® supports the stability and colonization characteristics of beneficial bacteria in the pet's intestinal tract.

Live Enzyme Activated Delivery System® (L.E.A.D.S. ®) - Like all of **NWC Naturals Pet Products** Total-Biotics® contains our exclusive Live Enzyme Activated Delivery System®. It is this delivery system that guarantees assimilation and utilization of the nutrients at the cellular level. L.E.A.D.S.® (Live Enzyme Activated Delivery System®) is a proprietary system of adding a blend of select enzymes to botanical and whole-food products for the purpose of improving the release and absorption of nutrients contained in these products.

NWC Naturals Inc. is a member of NASC. NASC Primary Suppliers are responsible suppliers of animal health and nutritional supplements for dogs, cats, and horses. We are committed to quality, vigilance, and continuous improvement to promote the wellbeing of companion animals. NASC Primary Suppliers must sign and abide by the NASC Code of Conduct when they join. Primary Suppliers must complete an independent facility audit and comply with the NASC's stringent quality requirements to earn permission to display the NASC Quality Seal on their products.



**Total-Biotics® is formulated by the author of the book
“The Wonder of Probiotics” John R Taylor N.D.**

The Wonder of Probiotics



A 30-Day Plan to
Boost Energy,
Enhance Weight Loss,
Heal GI Problems,
Prevent Disease,
and Slow Aging
John R. Taylor, N.D., and Deborah Mitchell

Proteolytic bacteria such as clostridia, which are part of the normal intestinal flora, produce toxic substances including phenols, ammonia and indols by digestion of proteins. These compounds are responsible for what Metchnikoff called *intestinal auto-intoxication*, which, according to him, was the cause of the physical changes associated with old age. It was already known at that time that fermentation with lactic acid bacteria inhibits the deterioration of milk because of its low pH.

Metchnikoff's research had also noted that, in Europe, Bulgaria and the Russian steppes, some rural populations who had consumed milk fermented with lactic acid bacteria lived relatively long lives. Based on these data Metchnikoff proposed that consumption of fermented milk would seed the intestine with harmless lactic acid bacteria, which would increase intestinal acidity and thus suppress the growth of proteolytic bacteria.

Frequently Asked Questions

1. Why does the Total-Biotics® label look so different?

As a member of **NASC** (national animal supplement counsel) we have updated our label to use the required **AFFCO** terminology. The Association of American Feed Control Officials (AAFCO) is a voluntary membership association of local, state and federal agencies charged by law to regulate the sale and distribution of animal feeds and animal drug remedies. All ingredients in Total-Biotics® are AAFCO approved for safety and effectiveness. Beware of probiotic products for pets using unapproved and possibly unsafe probiotics.

1. Is Total-Biotics® just for sick pets?

No, this is the most powerful high colony forming formula in the world supplying 1.6 Billion CFUs of 14 different strains of good guy bacteria matched to each cup of food consumed. All pets definitely will benefit greatly from this product, and it is essential that all pets have a daily supplement of probiotics to support their immune systems.

2. What type of research is behind the Total-Biotics® formula?

Total-Biotics® combines the latest research and clinical studies into one powerful formula. The probiotics in this formula were selected after consulting with Dr. Khem Shahani from the University of Nebraska. Dr. Shahani is recognized as one of the world's foremost authorities on beneficial bacteria supplementation.

3. Does Total-Biotics® have a bad taste?

Total-Biotics® basically has no flavor! Since it is all human grade ingredients, try it yourself.

4. Are there any side effects?

Total-Biotics® has no known side effects.

5. If my pet is on medication, can I safely use this formula?

It is safe to take Total-Biotics® along with medication. There are no known drug interactions and the ingredients do not alter the action of any medications. In fact, since antibiotics can wreak havoc on your pet's immune system, taking probiotics along with medications can positively affect their health.

6. I already give my pet a multi-vitamin, why take this formula in addition?

Multivitamins provide general nutritional support to the body but only if you have enough good bacteria in your body to allow for absorption. Total-Biotics® uses 14 strains of probiotics to help support your pet's immune system and help with nutrient absorption.

8. How do I use Total-Biotics® to balance the gut? When you use Total-Biotics® on your pets' food we recommend you double the normal suggested amount. That is two scoops of Total-Biotics® per cup of food, when you feed your pet.

9. Can I give Total-Biotics® to my new puppies?

This formula is safe for most pets. For puppies less than 1 year of age use half the recommended dose.

10. I have a bitch in whelp/nursing. Can I safely use this formula?

Total-Biotics® is safe, however, you should always check with your veterinarian before beginning any supplementation if you are breeding.

11. My pet is allergic to yeast and gluten; can I use this formula?

Total-Biotics® contains no yeast, dairy, soy or gluten.

12. Is it necessary to refrigerate Total-Biotics®?

Total-Biotics® requires no refrigeration. The product will stay fresh and viable if kept cool. Refrigeration or even freezing is not necessary but it will prolong potency. Refrigeration will extend the expiration date by six months and freezing will extend it one year.



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