

# NATURAL PET<sup>®</sup> Care



My Pet

My Wonders



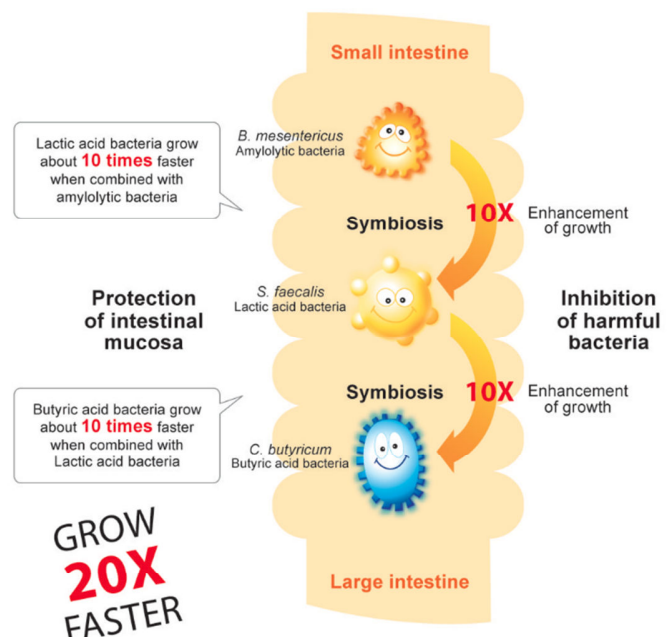
## Why is BIO-THREE patented probiotics different and what are the health benefits?

Within the digestive system, billions of bacteria live in a balance that helps to maintain healthy digestion, relieve digestive disturbances and inhibit growth of harmful microorganisms. Probiotics is widely accepted to improve the health of the intestines and also promote the health status of the host with digestive disease.

These beneficial bacteria first inhabit the gastrointestinal tracts of healthy individuals as we are being born. Others arrive when we are breast-fed and more are added when we consume certain foods mostly dairy products or health supplement throughout our lives.

### The unique features of Bio-Three probiotics

Not surprisingly, all probiotics are not created equal. Bio-Three is a synergistic combination of 3 patented beneficial bacteria - *Streptococcus faecalis*, *Clostridium butyricum* and *Bacillus mesentericus*. The combined symbiotic effects of these three beneficial bacteria grow about 20 times faster than when they are cultured alone.



**Bacillus mesentericus**

This bacterium, forming spores, produces an amylolytic enzyme (amylase) and protease to activate proliferation of *S. faecalis*.

**Clostridium butyricum**

This bacterium proliferates actively through the symbiotic action with *S. faecalis* to yield short-chain fatty acids such as butyric acid and acetic acid with a resultant decrease in intestinal pH and inhibition of growth of harmful bacteria. Additionally, it acts on the intestinal tract to improve abnormal bowel activity.

**Streptococcus faecalis**

This bacterium proliferates actively through the symbiotic action with *B. mesentericus* and *C. butyricum* to yield lactic acid with inhibition of growth of harmful bacteria. Additionally, this bacterium has high resistance against bile acid, and even in raw bile it shows a higher residual rate than any other bacteria.

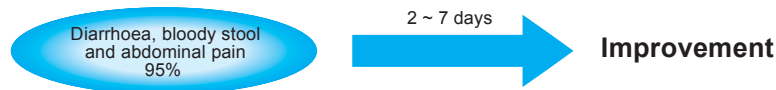
In order to produce these beneficial effects within the gastrointestinal tract, probiotics must have the capacity to survive and metabolize in the gut. They must therefore be resistant to acid in the gastrointestinal tract. These three strains of probiotics are resistant to acid even at pH 1.2 and will not be inactivated by gastric juices.

**Health benefits of probiotics**

The health benefits of probiotics are numerous and they include:

- ✓ Promote and maintain a normal healthy digestive system.
- ✓ Stimulate digestion and synthesize many useful substances (e.g. Lactase and Vitamin B group).
- ✓ Promote absorption of essential nutrients from food and reduce cholesterol.
- ✓ Restore and maintain the internal balance of beneficial bacteria disrupted by bad eating habits, stress, illnesses or medications such as antibiotics.
- ✓ Promote the growth of body's natural microflora such as Bifidobacteria and Lactobacillus.
- ✓ Inhibit the growth of harmful micro-organisms to protect the body against infections and diseases such as vaginal thrush, oral thrush and urinary tract infections.
- ✓ Produce immune system stimulating agents to enhance body's natural immune system.
- ✓ Improve bowel functions and aid in the relief of digestive discomforts such as constipation and diarrhea caused by medications (e.g. antibiotics) and other health problems (e.g. irritable bowel syndrome).

**Improvement of symptoms**



**Normalizes the intestinal flora**

