ENZYME SCIENCE™
EXCEPTIONAL FORMULAS

CANDIGOLD PRO™

for INTESTINAL DETOXIFICATION*

Short 1-2 week cleanse



SUPPLEMENT FACTS

100% Vegetarian Capsule (cellulose, water)	
Cellulase Thera-blend™	70,000 CU
Protease Thera-blend™	230,000 HUT
Broccoli Seed Extract	40 mg
Probiotic Blend	1 Billion CFU
Bacillus subtilis DE111, Bifidobacterium lactis, L. salivarius, L. bulgaricus, L. plantarum, L. gasseri, L. casei, L. rhamnosus, L. acidophilus DDS-1	

Gluten Free.

RECOMMENDED DOSAGE:
Take 2 capsules three times per day on an empty stomach (1/2 hour before or 2 hours after a meal). Do not exceed the recommended daily intake.

OUR QUALITY

GLUTEN FREE · DAIRY FREE · SOY FREE · NON GMO · NO ARTIFICIAL FILLERS · VEGETARIAN

While microorganisms only account for up to 3% of the body by weight, they play a vital role in health.[1]

Microbes inhabit almost every part of the human body including on the skin, in the nose and in the gut. They work in harmony to ward off invaders, support extraction of nutrients and energy from our diets, and contribute to normal immune function. When the gut microbiome is under distress, symptoms of occasional bloating, flatulence, constipation, or diarrhoea may result. Maintaining a healthy balance of microbes is critical to achieving optimal health.

INTESTINAL MICROBIOTA

The lower part of the gastrointestinal tract (gut microbiome or intestinal microbiota) is home to roughly 40 trillion bacterial cells with each species playing a different role.[2] A large number of bacteria is often found in the large intestine, and some are residing in the mouth and female reproductive system. In addition to microbes, commensal fungi and archaea also normally inhabit the gut microbiome, which is sometimes referred to as the mycobiome.[1] The gut microbiome has been said to affect virtually all aspects of human health.[3] Therefore, keeping our microbiome in balance is of utmost importance to achieving optimal health and wellness.

The composition of the gut microbiome is determined and influenced by several factors, such as geographic region, age, genetics, diet, and the use of probiotics or medications. Many facets of our lives may affect or create an imbalance in our microbiome such as eating processed and sugary foods, high stress levels and antibiotic use.[4,5,6] When the gut becomes impacted, the optimal balance of healthy bacteria shifts. When this delicate balance is disrupted, yeast can overproduce causing symptoms of occasional bloating, flatulence and diarrhoea.[7,8]

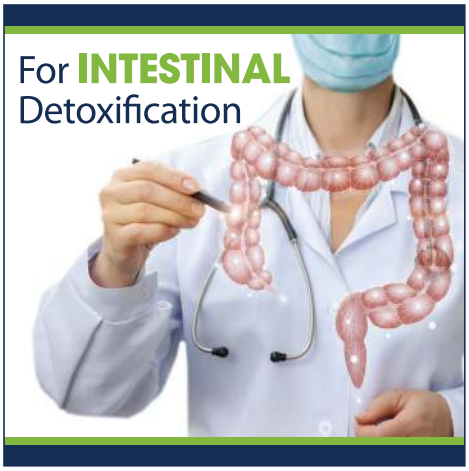
POSITIVELY INFLUENCING THE MICROBIOME

Probiotics complement the gut microbiome and are beneficial to our health. Probiotics are "good bacteria," and are believed to aid in digestive, urinary, and vaginal health. The most commonly used probiotics in foods or supplements are species from the genera *Lactobacillus* and *Bifidobacterium*.[6] Researchers believe that having enough of these "good" bacteria in our body helps maintain the correct balance of yeast.[9,10]

Accumulating evidence suggests that probiotics may have favourable effects on our overall health in many aspects.[6] It has been proposed that gut bacteria are required to maintain epithelial integrity by regulating tight junction permeability. *Lactobacillus plantarum*, for example, was reported to regulate tight-junction proteins to protect against chemical-induced disruption of the epithelial barrier.[11] Loss of gut epithelial integrity will allow gut bacteria, bacterial toxins, incompletely digested fats and proteins, and wastes to pass the epithelium, triggering physiological responses that may lead to gastrointestinal problems, such as abdominal bloating, flatulence, cramps, and food intolerances.[11]

Along with providing bacteria, in the form of probiotics, to positively impact the population of good bacteria, components of broccoli seed extract have been known to exhibit bacterial and fungal growth inhibition. Broccoli seed extract contains glucoraphanin. Glucoraphanin is a

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precursor of sulforaphane (SNF) which belongs to the isothiocyanate class of phytochemicals and is one of the most frequently studied plant-derived isothiocyanate organosulfur compounds from cruciferous vegetables, including broccoli. It has been established that SNF exhibits a wide range of biological effects including antioxidant and has the potential to inhibit certain microorganisms and fungi. [12,13,14]

ENZYMES ROLE IN DETOXIFICATION

Besides playing an important role in food digestion, enzymes have also been used to support gastrointestinal function. In order to maintain a healthy balance in the gut, it's important to detoxify the body of any unwanted microbiota. Specific enzymes such as cellulase and protease have destructive activity on yeast cells, rendering them inert, and allowing the body to clear the debris and unfavourable physiological response more effectively. The enzyme cellulase is thought to be able to digest the cell wall of the fungus and protease enhances the elimination of the protein contents inside the fungal cell.[15]

Enzyme Science® formulates with unique Thera-blend enzymes that are scientifically designed to provide optimal solutions for digestive health and wellness. While individual enzymes work within a specific pH or pH range, Thera-blend enzymes remain active across a broad pH range allowing greater interactions with substrates for superior efficacy. CandiGold Pro™ includes cellulase and protease Thera-blend enzymes to encourage healthy intestinal detoxification.

CANDIGOLD PRO™ ACHIEVING OPTIMAL HEALTH

In optimal health, a natural balance of bacteria and fungi inhabit the gut. At times, this balance may be slightly shifted and result in occasional gastrointestinal discomfort. CandiGold Pro™ combines high potency enzymes, broccoli seed extract, and a probiotic blend consisting of *Bacillus subtilis* and 7 strains of *Lactobacillus* plus *Bifidobacteria* to maintain a balance of good bacteria and normal yeast populations. This short 1-2 week cleanse allows for gentle intestinal detoxification to encourage overall wellness.

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Food Supplements should not be used as a substitute for a varied and balanced diet and healthy lifestyle