

TOTAL LEAKY GUT

Ingredients: L-Glutamine 150mg, Buffered Vitamin C (Sago) 25mg, N-Acetyl Glucosamine 75mg, Vitamin E Succinate 10i.u, Lipoic Acid 2mg, Ginkgo Biloba Extract 2mg, Deglycerrhized Licorice 50mg, Slippery Elm 100mg, Lactobacillus Acidophilus 1 million units, Cats Claw 15mg, Ginkgo Biloba Herb 50mg, Jerusalem Artichoke 25mg, Zinc Chelate 5mg, Lactobacillus Bifidus I million units

Supportive Function: Total Leaky Gut provides a comprehensive array of nutrients to support the integrity of the intestinal lining, one of the most crucial assets to health we have.

When are leaky gut nutrients helpful? Healing the gut lining is applicable in: asthma, arthritis, food allergies, ulcers, Crohn's, ulcerative colitis, celiac disease, autoimmune diseases, alcoholism, chronic fatigue, joint pain, migraines, diarrhea, parasitic infections, dysbiosis, candidiasis, multiple sclerosis, diabetes, T-cell lymphomas, and generally as a preventative measure, since we all have permeability to some degree. People who smoke, drink, take aspirin/ibuprofen/antibiotics/drugs, get exposed to environmental toxins, have poor digestion, sluggish liver detoxification, or stored toxins, or who have bacterial/microbial infections or inflammation are all at high risk for intestinal permeability.

Clinical Applications/Research: Glutamine is the main fuel that the intestinal cells need for maintenance and repair (they slough off every three days). Glutamine reinforces the immune system, and there is considerable evidence that glutamine can enhance the barrier function of the gut against viral, bacterial, and food antigen invaders (Hall JC et al. Br J Surg 1996 Mar; 83(3): 305-312). Glutamine has been proven to stimulate intestinal cell growth while reducing cell injury and infection. It also stimulates mucosal cells, which are highly protective against the damage seen in ulcers.

Lactobacillus Bifidus are friendly bacteria that offset populations of bad bacteria and boost the immune system. Overpopulation of bad bacteria can beat away at the intestinal lining. Friendly bacteria especially counteract candida, which can spread long mycelial arms right through the intestinal lining and perforate it, permitting wide-open entry to microorganisms and toxins. Candida can also release over 60 known candidal toxins which activate the immune system, and which can further increase the "leakiness" of the gut. Jerusalem artichoke is a dietary source of FOS (fructooligosaccharides), which attracts beneficial bacteria to inhabit the gut.

NAG (N-acetyl glucosamine), aside from being able to heal the extra cellular tissue surrounding intestinal epithelial cells, has the unique ability to decrease the binding of some lectins to the intestinal lining. Lectins are antinutrients found in many grains and legumes that increase intestinal permeability and can cause immune responses. Recent research shows that in susceptible people, food proteins can have "molecular mimicry" with self-proteins in the body, and lectins allow them to enter through the lining. This means that the wheat protein causes antibodies to be formed, which then attack collagen tissues because they have similar protein structures. Recent research also shows that

NAG is one of the few nutrients with the power to bind to some of these lectins and prevent their damage to the intestinal lining.

Antioxidants: Vitamins C and E, lipoic acid, zinc and ginkgo biloba are all antioxidants, which protect the lining from free radical damage. Additionally, vitamin C and lipoic acid bind heavy metals, which can cause disease, when deposited in the tissues instead of being detoxified in the liver. Vitamin E maintains the integrity of all lipid cell membranes. Ginkgo biloba also increases circulation in the smaller vessels and capillaries, which increases nutrient delivery and tissue healing. Zinc is essential for proper immune system functioning. It is believed to play a role in regenerating epithelial tissue and protecting it from damage, making it an excellent nutrient to support gut healing.

Cat's Claw is a novel herb that has been researched lately for its, "remarkable ability to cleanse the entire intestinal tract and help those suffering from different stomach and bowel disorders," including Crohn's disease, gastritis, ulcers, parasites, candidiasis, diverticulitis, hemorrhoids, leaky gut, and intestinal flora imbalance (Dr. Brent Davis, DC Wellness Advocate Feb 1995; 5(1): 1-4).

DGL (deglycyrrhizinated licorice) increases the integrity of the mucosal cells - it increases the life span of the intestinal cells, improves the quality of protective substances, and improves the blood supply of nutrients (Glick L. Lancet ii: 817, 1982). Additionally, it has a high healing rate and significantly low relapse rate for ulcers (Kassir ZA Irish Med J 78:153-56, 1985).

Slippery Elm is a soothing, protective demulcent renowned for its beneficial effects on the gastrointestinal lining. Slippery elm calms the inflamed mucous membranes of the stomach (Balch JF Presc for Nutr Healing 1990, Garden City, NY). In addition to a soothing texture that coats the stomach lining, slippery elm contains the fiber-rich ingredient mucilage, which stimulates mucous secretion (especially protective against ulcers).

Testimonials/Nutrient Tidbits: Many doctors report . . . This product works great for "leaky gut" problems!

A doctor reports... My patient had had a leaky bowel for years, and had even tried other nutritional formulas that contained glutamine. I put her on Total Leaky Gut, and she started improving within the week. She thinks I walk on water now! (Ian Smith, D.C., Calgary, Canada).

Another doctor reports... Total Leaky Gut really works! It sure calms things down. (Carolyn Groff, DC, Centennial, CO.)

Another doctor reports... I utilized Total Leaky Gut and L-Glutamine Plus for a Lupus patient, and within a year all symptoms were gone, the doctor told her "come back when you have symptoms". (Bob tank, L Ac)

Suggested Dosage: 1-2 tablets 3 times daily or as directed

Size: 60 tablets

Vegetarian: No

Contraindications: Ginkgo in large quantities is contraindicated with anticoagulant drugs (only a small amount is used in this synergistic formula). Use caution in pregnancy (a small amount of cat's claw is included).