



GastroThera™

This product supports gastrointestinal health and immune function by supplying the amino acid L-glutamine together with dietary fiber from inulin, *Acacia Senegal* (gum arabic), and a protective amino sugar, N-acetyl-D-glucosamine. L-glutamine is a key ingredient as it provides support for normal body nitrogen metabolism and is crucial for the manufacture (synthesis) of genetic material (DNA and RNA), proteins, and glucose. L-glutamine is very important for the maintenance of a normal acid-base (pH) balance. The ingredients in this formulation work together as follows:

- **L-Glutamine:** The most common free amino acid in the bloodstream, L-glutamine protects the body from high ammonia levels by transporting ammonia (as amino groups) to the kidneys for excretion or to the liver where ammonia is made into urea for excretion. L-glutamine is the principal dietary fuel of the intestinal cells lining the small intestine and plays an important role in maintaining healthy gastrointestinal function. It decreases intestinal permeability (“leakiness”). L-glutamine is essential for the normal function of intestinal immune cells and increases the secretion of protective bowel immune gamma globulins (IgA). It stimulates the normal function of intestinal white cells and helps combat the migration of disease-causing microorganisms across the lining of the colon. Although people are normally able to make enough L-glutamine to meet the body’s demands, under circumstances of stress, such as illness, trauma, surgery, and cancer therapies, the body cannot make enough to meet its needs. This makes L-glutamine a conditionally essential amino acid. Large amounts of L-glutamine are included to meet the metabolic demands of the gastrointestinal tract, liver, and immune system.
- **Inulin:** Inulin is a prebiotic dietary fiber. This means it is a nutrient that supports the growth of healthful bacteria normally found in the gastrointestinal tract. Inulin is derived from chicory root and cannot be broken down by human digestive enzymes. Healthful bacteria in the intestines, such as lactobacilli and bifidobacteria, metabolize inulin to short-chain fatty acids. These short-chain fatty acids beneficially increase the intestinal acidity (lower pH) and provide the cells lining the colon with their preferred energy source, butyric acid. They also enhance the absorption of essential minerals in the colon, assist intestinal reabsorption of water, and inhibit growth of disease-causing microorganisms.
- **Acacia Senegal:** *Acacia Senegal*, or gum arabic, is a prebiotic, non-bulking fiber. It also provides nutritional support to the healthful intestinal bacteria and is metabolized to short-chain fatty acids that support intestinal cell growth and function. Gum arabic acts directly as an emollient to sooth inflamed intestinal surfaces.
- **N-Acetyl-D-Glucosamine:** N-acetyl-D-glucosamine is an amino sugar that protects the intestinal lining and may promote healing of inflamed intestinal tissue. It also acts as a structural component of intestinal secretions that help food pass through the gastrointestinal tract.

This unique combination of ingredients is supplied in vegetarian capsules as well as powder. The powder is neutral in taste and is readily soluble in water.

Suggested Use: 6 capsules daily. May be taken with food or between meals.

This product was made in a GMP and ISO 9001:2000 registered facility.

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Supplement Facts

Serving Size 6 Capsules

Amount Per 6 Capsules

Calories	15
Glutamine (as L-glutamine USP)	3,750 mg*
<i>Acacia senegal</i>	375 mg*
Inulin	187 mg*
N-Acetyl-D-Glucosamine (from crab and/or shrimp shells)	187 mg*

*Daily Value not established.

Other ingredients: Vcaps™ vegetarian capsule, cellulose, water, silicon dioxide, and magnesium stearate.