

GLUTASHIELD



RECOMMENDED USE

- *Helps with tissue formation and energy metabolism*
- *Source of an L-glutamine involved in muscle protein synthesis*

GASTROINTESTINAL HEALTH

GlutaShield is designed to help soothe inflammation or irritation of the gastrointestinal tract (based on herbal medicine use). Its formula includes nutrients that support the gut mucosal epithelium. The purpose of the epithelium is to allow the digestion and absorption of dietary nutrients while keeping unwanted toxins, microbes and food particles from passing directly into the body. GlutaShield includes a high dose of L-glutamine (4 g), which is an amino acid involved in protein synthesis. It provides 75 mg of aloe vera extract, which protects and promotes the health of the gut mucosa. Zinc is included to help maintain immune function.

Overview

A healthy GI tract has an epithelial mucosal barrier that prevents the passage of food antigens (proteins), toxins, and microorganisms from crossing into the bloodstream. Stress, overconsumption of alcohol, food intolerance, microbial imbalance and poor nutrition can affect the integrity of the epithelial barrier. The health of the GI tract is dependent on the modulation of these factors. The ingredients in GlutaShield help regenerate and maintain GI enterocytes while supporting the health of the intestinal mucosal barrier.

Aloe Vera Leaf Gel Extract

A demulcent used throughout history in herbal medicine, aloe vera has long been known to help soothe irritation and inflammation in the GI tract.¹

L-Glutamine

L-glutamine is a main source of fuel for cells and essential to muscle protein synthesis.² When the body is under stress, L-glutamine has been shown to become a conditionally essential amino acid.³

Zinc

Zinc is an essential mineral widely recognized for its role in immune health. In addition, zinc has been shown to help maintain the body's ability to metabolize nutrients.

Vitamin A

Vitamin A plays a major role in maintaining healthy mucous membranes. Healthy mucous membranes, including the mucosa of the stomach and intestines, protect and line the inside surfaces of your body. As barriers to unwanted toxins, microbes, and food particles passing directly into the body, they help maintain healthy immune function. Vitamin A further supports biological functions, which play a role in the maintenance of good health.

Recommended Dose

Adults: Take 1 scoop (6.9 g) with water or the beverage of your choice. Take with food. Take a few hours before or after taking other medications or natural health products.

Medicinal Ingredients (per scoop)

Vitamin A (Vitamin A Palmitate)	604.4 mcg RAE (2000 IU)
Zinc (Zinc Bisglycinate)	10 mg
L-Glutamine	4 g
Deglycyrrhizinated Licorice (<i>Glycyrrhiza uralensis</i> , <i>Glycyrrhiza glabra</i> - Root).....	400 mg(4:1, QCE 1.6 g)
Aloe Vera (Leaf Gel)	75 mg
N-Acetylglucosamine (N-Acetyl-beta-D-glucosamine, Crab & Shrimp - Exoskeleton).....	500 mg

Non-Medicinal Ingredients

Natural Vanilla Flavour, Alkalized cocoa powder, Natural Chocolate Flavour, Rebaudioside A.

Does Not Contain

Gluten, yeast, artificial colors and flavors.

Risk Information

Consult a health care practitioner prior to use if you are pregnant or breastfeeding, have diabetes, or are following a low protein diet; consult after use if symptoms persist or worsen.

Store in a cool, dry place in an airtight container, protected from light.

To be sure this product is right for you always read and follow the label.

References

1. Godfrey A, Saunders P, Barlow K, Gowan M. Principles and Practices of Naturopathic Botanical Medicine: Volume 1: Botanical Medicine Monographs, 1st edition. Toronto (ON): CCNM Press Inc.; 2010.
2. Miller AL. Therapeutic considerations of l-glutamine: a review of the literature. *Altern Med Rev* 1999;4:239-248.
3. Akobeng AK, Miller V, Stanton, et al. Double-blind randomized controlled trial of glutamine-enriched polymeric diet in the treatment of active Crohn's disease. *J Pediatr Gastroenterol Nutr* 2000;30:78-84.