

GI-Revive

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- Rejuvenates intestinal mucosal health
- Promotes proper intestinal permeability (appropriate for “Leaky Gut”)
- Provides healing for ulceration and inflammation
- Promotes regularity and healthy bowel function

This convenient powder easily mixes into any beverage or other functional food powder. It provides therapeutic levels of gastrointestinal mucosal repair and antiinflammatory substances, along with ingredients to promote intestinal regularity.

Suggested Dose:

Take 1/2-1 tsp., one to two times daily or as directed by your health care practitioner.

Supplement Facts

Serving Size 1 teaspoon (7.5 grams)

Servings Per Container 30

Amount Per Serving	% Daily Value	Amount Per Serving	% Daily Value
L-Glutamine	1500 mg *	Chamomile (<i>Matricaria chamomilla</i>)	100 mg *
N-Acetyl Glucosamine	1000 mg *	Okra (pod) (<i>Hibiscus esculentus</i>)	100 mg *
Citrus Pectin	1000 mg *	Cat's Claw (TOA free) (bark)(<i>Uncaria tomentosa</i>)	100 mg *
Deglycyrrhizinated Licorice (DGL) (<i>Glycyrrhiza glabra</i>)	400 mg *	Methylsulfonylmethane (MSM)	100 mg *
Aloe Vera (Leaf Extract 200:1)	300 mg *	Quercetin	100 mg *
Slippery Elm (bark)(<i>Ulmus pulmila</i>)	200 mg *	Prunus (Concentrate)	100 mg *
Mucin	200 mg *		
Marshmallow (root)(<i>Althea officinalis</i>)	100 mg *		

*Daily Value not established.

Other Ingredients: Black tea, natural peach flavor, xylitol, lecithin, erythritol, maltitol, stevia and talin.

GI-Revive Features:

L-glutamine

- the most important nutritional substance for healthy intestinal cells. It is one of the most commonly used amino acids in the body to repair tissues, particularly high turn-over tissue such as the epithelial cells of the intestinal lining. Supplemental L-glutamine has been shown to have immunomodulatory, anticatabolic/anabolic and gastrointestinal mucosal-protective actions. It may also have antioxidant activity as it is a precursor for glutathione synthesis. Under stress, the body relies on glutamine to help meet its extra energy needs. Supplemental L-glutamine is used in medical foods for such stress situations as trauma, cancer, infections and burns.

Glutamine deficiency can cause severe intestinal degradation and supplementation can enhance intestinal healing and repair. L-glutamine is essential in maintaining proper intestinal permeability, and avoiding “leaky gut syndrome”. Leaky gut syndrome can result in increased toxic and allergy exposure, systemic inflammation, and autoimmune disease.

N-acetyl-glucosamine and MSM

- provided to aid in the production of health supportive structures for the cells of the intestinal lining. The increased production of glycosaminoglycans (GAG's), which can occur as a result of supplementation of these nutrients, can help support proper mucosal health and reduce intestinal permeability.

MSM and Quercetin

These antiinflammatory substances can reduce the chronic inflammation which is often the reason why the intestinal lining becomes damaged and “leaky”. Quercetin can also provide direct antiinflammatory action by stabilizing intestinal mast cells and can improve tissue health through its antioxidant functions.

DGL, Slippery Elm, Marshmallow, Chamomile, Okra, and TOA-free Cat's Claw

These mucilaginous and relaxing herbs can provide comprehensive enhancement of intestinal function by coating and soothing the intestinal lining, promoting the healing of ulcers and inflamed tissue, and reducing cramping by relaxing the intestines. GI Revive contains this impressive comprehensive blend of botanicals that have a long traditional use in gastrointestinal disorders.

Mucin

- a glycoprotein, normally secreted by the intestinal epithelial cells, containing sialic acid and N-neurominic acid. Mucin can serve to coat the intestinal lining and to neutralize intestinal antigens, along with sIgA, reducing the inflammation and tissue damage caused by food allergy, intestinal infection and dysbiosis.

Prunus and Citrus pectin

- included to safely aid in regularity without the caustic and damaging effects of commonly used herbal laxatives such as *Cassia marilandica* (senna) and *Rhamnus purshiana* (cascara sagrada).

Xylitol and D-mannose

GI Revive uses xylitol and D-mannose as safe sweeteners for excellent taste and compliance while containing no fructose or artificial sweeteners.

References:

1. Klimberg, V. Suzanne, M.D., et al. Prophylactic Glutamine protects the intestinal mucosa from radiation injury. *Cancer* 1990, July 1;66(1):62-68.
2. Hickson R, et al. Glutamine prevents downregulation of myosin heavy chain synthesis and muscle atrophy from glucocorticoids. *Am J Physiol* 1995 Apr;268(4 Pt 1):E730-E734.
3. Noyer CM, Simon D, Borczuk A, Brandt LJ, Lee MJ, Nehra V. A double-blind placebo-controlled pilot study of glutamine therapy for abnormal intestinal permeability in patients with AIDS. *Am J Gastroenterol* 1998;93(6):972-5.
4. Foitzik T, Stuffer M, Hotz HJ, Klinnert J, Wagner J, Warshaw AL, Schulzke JD, Fromm M, Buhr HJ. Glutamine stabilizes intestinal permeability and reduces pancreatic infection in acute experimental pancreatitis. *J Gastrointest Surg.* 1997;1(1):40-47.
5. Herschler RJ. Dietary and pharmaceutical uses of methylsulfonylmethane and compositions comprising it. United States Patent 4,514,421:April 30, 1985.
6. Hutter JA et al., Anti-inflammatory C-glucosyl chromone from *Aloe barbadensis*. In: *JNP* 59(5):541-543, 1996.
7. Langmead L, et al. Antioxidant effects of herbal therapies used by patients with inflammatory bowel disease: an in vitro study. *Aliment Pharmacol Ther.*, 2002 Feb;16(2):197-205.
8. Hough L, Jones JK, Hirst EL. Chemical constitution of slippery elm mucilage; isolation of 3-methyl d-galactose from hydrolysis products. *Nature*, 1950 Jan; 165(4184):34.
9. Lengsfeld C, Titgemeyer F, Faller G, Hensel A. Glycosylated compounds from okra inhibit adhesion of *Helicobacter pylori* to human gastric mucosa. *J Agric Food Chem.* 2004; Mar 24;52(6):1495-503.
10. Nichols TW, Faass N. *Optimal Digestion, New Strategies for Achieving Digestive Health.* Avon, New York, 1999.
11. Lipski E. *Digestive wellness.* New Canaan, CT: Keats, 1996: 200-03.
12. Pizzorno JE, Murray MT. *Textbook of Natural Medicine* (2nd Ed.), Churchill Livingstone, New York, 1999.
13. *PDR for Herbal Medicines* 1st Ed., Medical Economics Co., Montvale, New Jersey, 1998.
14. Fetrow CW, Avila JR. *Complimentary & Alternative Medicines: Professional's Handbook.* Springhouse, Springhouse, PA, 1999.
15. Werbach MR, Murray, MT. *Botanical Influences on Illness: A sourcebook of clinical research.* Third Line Press, Tarzana, California, 1994.
16. Bascom A. *Incorporating Herbal Medicine Into Clinical Practice.* F.A. Davis Co., Philadelphia, 2002.
17. Cheallier A. *Encyclopedia of Herbal Medicine.* Dorling Kindersley, London, 2000.
18. *PDR for Nutritional Supplements* 1st Ed., Medical Economics Co., Montvale, New Jersey, 2001.
19. Robbers JE, Speedie MK, Tyler VE. *Pharmacognosy and Pharmacobiotechnology.* Williams & Wilkins, Baltimore, 1996.