GI-Revive™ is a synergistic formula offering comprehensive support for optimal gastrointestinal health and function. It provides therapeutic levels of nutrients which support gastrointestinal mucosal repair and help fight inflammation along with ingredients to promote intestinal regularity.

### Benefits of GI-Revive™:
- Rejuvenates intestinal mucosal health
- Promotes proper intestinal ability (appropriate for “Leaky Gut”)
- Provides healing for ulceration and inflammation
- Promotes regularity and healthy bowel function

### GI-Revive™ Features:

#### Zinc Carnosine
Zinc carnosine is included in this formulation due to its impressive mucosal-protective and anti-ulcerative properties, including the ability to protect the intestinal lining against damage due to indomethacin and other strong anti-inflammatory medications often associated with intestinal mucosal damage.

#### L-Glutamine
Glutamine is 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 turnover tissue such as the epithelial cells of the intestinal lining. Supplemental L-glutamine has been shown to have immunomodulatory, anticytokine/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. Glutamine deficiency can cause severe intestinal degradation and supplementation can enhance intestinal healing and repair. It is essential in maintaining proper intestinal permeability and avoiding “leaky gut syndrome.”

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

#### N-Acetyl Glucosamine
N-Acetyl Glucosamine aids in the production of health supportive structures for the cells of the intestinal lining. The increased production of glycosaminoglycans (GAGs), which can occur as a result of supplementation of these nutrients, can help support proper mucosal health and reduce intestinal permeability. In studies on mice, Dr. Michael Demetriou and colleagues with the UC Irvine Center for Immunology found that N-Acetyl Glucosamine (GlcNAc), which is similar but more effective than the widely available glucosamine, shows potential to help those suffering from autoimmune diseases by inhibiting the growth and function of abnormal T-cells that incorrectly direct the immune system to attack specific tissues in the body, such as brain myelin in MS and insulin-producing cells of the pancreas in diabetes. Study results appear a 2007 paper in the *Journal of Biological Chemistry*. This study comes on the heels of others showing the potential of GlcNAc in humans. One previous clinical study reported that 8 of 12 children with treatment-resistant autoimmune inflammatory bowel disease improved significantly following two years of treatment with GlcNAc. No significant adverse side effects were noted.

#### DGL, Slippery Elm, Marshmallow, Chamomile, Okra, and 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

Mucin is a glycoprotein, normally secreted by the intestinal epithelial cells, containing sialic acid and N-neurominic acid. It 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.

Prune Powder and Citrus Pectin

These two ingredients are 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).

**Recommended Use**

- 8 grams (approx one tablespoon) of powder or 7 capsules per day

**References**