GI-Restore



Comprehensive Gut-Healing Formula | VA-119 / VA-926

GI-Restore is a comprehensive formula to help relieve inflammatory conditions of the GI tract and repair the linings of the gut via multiple mechanisms:

- 1. Support intercellular tight junctions
- 2. Increase mucus secretion in the stomach
- Coat gut linings to soothe and protect damaged/ inflamed tissue
- 4. Anti-inflammatory and anti-histamine actions ensure gut lining integrity and regulate acid secretion
- 5. Promote proper tissue formation and regeneration

Key Features:

- Polaprezinc (Zinc L-Carnosine) helps to protect intercellular tight junctions and reduce gut hyperpermeability.
- Combination of herbal demulcents DGL (10:1) and Slippery Elm – to coat and soothe inflamed GI linings.
- · L-glutamine to promote tissue regeneration in the GI tract.
- Quercetin to exert anti-histamine and anti-inflammatory effects in the gut.
- Powder form to ensure contact throughout the entire GI tract.

Indications: stomatitis, GERD, gastritis, peptic ulcer, leaky gut syndrome, IBD, post-bowel surgery or post-chemotherapy recovery

Description:

Polaprezinc (Zinc L-Carnosine)

Polaprezinc is a chelate compound consisting of zinc and L-carnosine. Polaprezinc works to restore intercellular tight junctions and reduce gut permeability from chronic inflammation. It also stimulates mucus protection³ and exerts antioxidant and anti-inflammatory actions. In Japan, polaprezinc is commonly used for the treatment of gastric ulcers.

A human clinical study showed that polaprezinc was able to counteract the small bowel damage caused by indomethacin (an NSAID). Participants treated with indomethacin saw a 3-fold increase in gut permeability. In contrast, those treated with indomethacin plus polaprezinc (37.5 mg twice daily) did not show any increase in small intestinal permeability.¹²

In a randomized controlled trial involving patients with low-dose-aspirin-induced small bowel injury, polaprezinc therapy for 4 weeks was able to significantly decrease erosions/ulcers and

Quantity: 105 g l 84 servings Dosage Form: Powder

Ingredients (per 1/2 teaspoon):

Non-medicinal Ingredients: tapioca maltodextrin

Suggested Use: Adults - Take 1 scoop (1/2 teapsoon), 3 times a day, or as recommended by your health care practitioner.

inflammation (p < 0.05), as identified by capsule endoscopy.1

In another randomized controlled trial, 31 post-radiation/chemotherapy patients with head/neck tumors were administered polaprezinc as an oral rinse. The results showed that polaprezinc was able to significantly reduce the incidence of symptoms associated with oral mucositis, such as pain, xerostomia, and taste disturbances.²

Polaprezinc has also been administered as an enema in patients with ulcerative colitis (n=18) in a placebo-controlled trial.³ Significant improvements of the endoscopic scores were seen for the rectum (p=0.004), sigmoid colon (p=0.03), and descending colon (p=0.04) in patients administered with the polaprezinc enema.

Deglycyrrhizinated Licorice (DGL)

Licorice is widely used in herbal medicine as a demulcent to help relieve inflammatory conditions of the GI tract, such as peptic ulcer disease (PUD) and chronic GERD.

DGL is a form of licorice with the removal of one of its constituents – glycyrrhizin. Glycyrrhizin could



potentially cause high blood pressure via its action in the aldosterone-renin axis.¹³

Therefore, DGL can be taken in a higher dose for a longer period of time, providing an efficacious treatment and protection against chronic inflammatory conditions of the gut.

Slippery Elm

Slippery Elm is traditionally used in herbal medicine as a demulcent for the GI tract and the respiratory system. The principle constituent for the soothing demulcent action is mucilage. Slippery elm – when taken internally – not only coats and thickens the mucosa, but also causes reflex stimulation of nerve endings in the GI tract, leading to increased mucous secretion and a protective effect on the gut lining.⁵

L-Glutamine

Glutamine is the primary source of energy for the epithelial cells, especially those of the small intestine. It also helps to build healthy muscle tissue and support immune function during periods of metabolic stress.

During major medical treatments such as surgery, radiation/chemotherapy, or protease-inhibitor treatment for HIV/AIDS,^{6,7} glutamine becomes especially scarce in the body as it is used up for the healing and repair of damaged cells.

In patients with cancer, glutamine storage is depleted because tumor cells are major glutamine consumers and compete with the host for circulating glutamine.³ Furthermore, chemotherapy is associated with inducing significant worsening of intestinal absorption and intestinal permeability,⁸ resulting in subsequent intestinal mucosal damage. A clinical trial has shown that oral glutamine supplementation attenuates intestinal permeability in patients with esophageal cancer during chemotherapy.⁹

Glutamine can also increase the ability of the gastrointestinal tract to absorb nutrients, which is beneficial for convalescing patients, whose bodies need the nutrients for repair and recovery, and those with short bowel syndrome ¹⁰ and Crohn's disease.

Quercetin

Quercetin is shown to inhibit antigen-induced histamine release¹¹, and in turn help regulate stomach acid secretion. It also has an immuno-modulating effect on dendritic cell function, making quercetin an invaluable ingredient in inflammatory conditions of the bowel.

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