

GASTROINTESTINAL PROCESSES

Microbiome Fiber

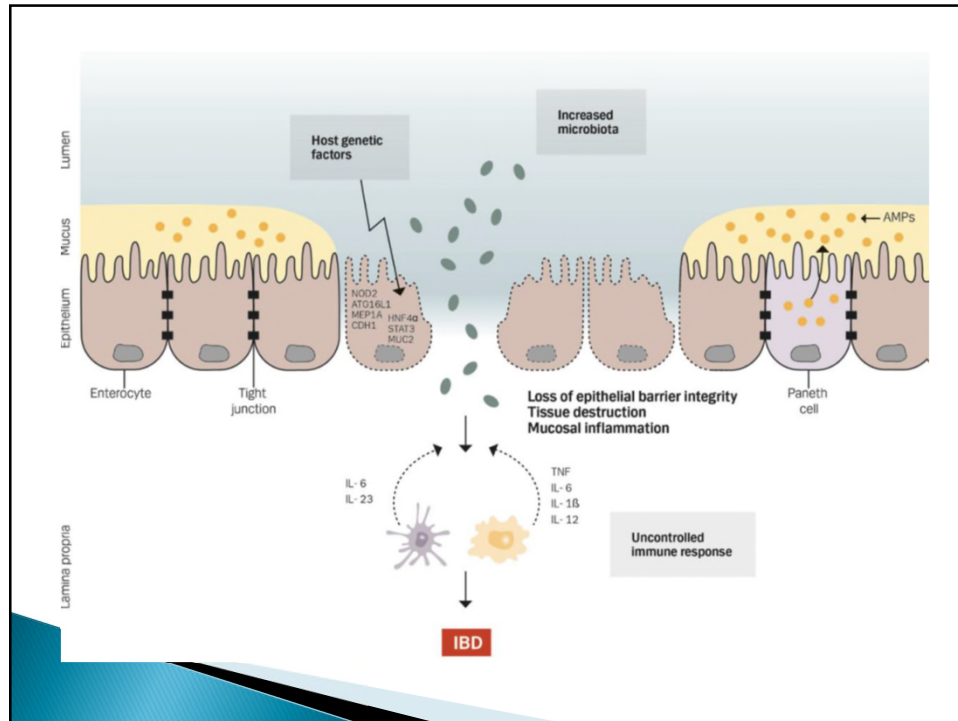
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GI RESOLVE

- ▶ Easy-to-mix and great-tasting powdered formula
- ▶ Updated product featuring ingredients backed by the most current scientific literature
- ▶ Cleanest GI repair formula on the market
- ▶ No flavors, colors, gums, sweeteners or other additives.
- ▶ *“Use the Best, Ditch the Rest”*

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L-GLUTAMINE

- ▶ **GI-Resolve™** contains 4 grams of the amino acid, glutamine
- ▶ Important energy source for the gastrointestinal tract and precursor for growth to the intestinal lining cells
- ▶ Helps maintain the integrity of the intestinal tract and enhances the protective mucosal lining
- ▶ Regulates intestinal barrier function in times of stress and other catabolic conditions
- ▶ Shown to stimulate the growth of the small intestinal mucosa and also enhances ion transport by the gut

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N-Acetyl Glucosamine (NAG)/Shellfish-Free!

- ▶ Glycosaminoglycans, normally attached to mucin, help form the protective barrier that separates bacteria from the intestinal epithelium. In certain digestive challenges, there is a widespread breakdown of glycosaminoglycans.
- ▶ NAG is a naturally-occurring monosaccharide derivative of glucose and precursor for epithelial glycosaminoglycan synthesis.
- ▶ Helps improve symptoms in patients with inflammatory bowel disease (IBD).
- ▶ May also support the growth of beneficial gut bacteria such as *Bifidobacterium bifidum*.
- ▶ A Bonus! Found to “delay aging” --increased lifespan in aging mice.
- ▶ N-Acetyl Glucosamine (NAG)/Shellfish-Free!

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MSM

- ▶ Methylsulfonylmethane(MSM) is an oxidized form of dimethyl sulfoxide, an organic sulfur compound from lignan, known for its support of healthy inflammation pathways and the healing of the gastric mucosa
- ▶ MSM inhibits NF-kappaB
- ▶ Downregulates mRNA for interleukin (IL)-1, IL-6, and tumor necrosis factor- α (TNF- α) *in vitro*
- ▶ Case studies of patients with joint impairment showed improved symptoms for comfort and flexibility following supplementation with MSM
- ▶ Reduces colonic inflammatory markers
- ▶ Increases levels of glutathione
- ▶ Provides strong antioxidant benefits

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ALOE VERA LEAF

- ▶ **GI-Resolve™** includes *Aloe vera* leaf extract to support a healthy intestinal lining
- ▶ Reduces oxidative stress and support a healthy inflammatory response in rats with gastropathy
- ▶ Inhibits colonic myeloperoxidase (MPO) activity, which is a marker for inflammation
- ▶ Shows both strong antioxidant properties and spasmolytic effects

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OKRA

- ▶ A mucilaginous herb
- ▶ Potent antioxidant properties
- ▶ Exhibits strong gastroprotective effects

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- ▶ Coats and soothes the intestinal lining
- ▶ Strong antioxidant activity results in cytoprotective mechanisms that supports the healing of tissues damaged by inflammation
- ▶ A randomized double-blind, placebo-controlled clinical trial revealed a significant improvement in symptom scores compared to the placebo group in the support of esophageal and gastric health

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Zinc Carnosine –Featuring PepZinGI

World J Gastroenterol. 2006 Oct 14;12(38):6178-81.

Polaprezinc protects human colon cells from oxidative injury induced by hydrogen peroxide: relevant to cytoprotective heat shock proteins.

Zinc carnosine, a health food supplement that stabilises small bowel integrity and stimulates gut repair

Raymond J Playford ¹, Tania Marchbank ^{1,2}, Dan Murray ³

Plymouth University Peninsula School of Medicine & Dentistry, Plymouth, UK; ²Queen Mary University of London, UK; XSTO Solutions LCC, New Jersey

United States Patent Number: 5,238,931
“Inflammatory Bowel Disease Preventive and Curative Agent Containing Zinc L-Carnosine Salt as Active Ingredient

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Zinc Carnosine –Featuring PepZinGI

- ▶ Key ingredient supported by dozens of scientific papers
- ▶ A nutrient known for its mucosal-protective properties and restorative effect on gastrointestinal dysfunction, such as ulcers
- ▶ Zinc carnosine activates the Nrf2 signaling pathway, supporting a healthy inflammatory response
- ▶ With over 17 years as a prescription product, Zinc Carnosine has a strong track record of safety, efficacy and scientific merit
- ▶ Ushers in a new era of evidence-based dietary supplements and natural medicine for clinical gastroenterology
- ▶ Captures the synergy of L-carnosine and zinc, both associated with:
 1. Antioxidant properties
 2. Membrane stabilization
 3. Tissue repair

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PROTOCOLS

- ▶ GASTRAZYME 3 TID
- ▶ Bio D Mulsion Forte
- ▶ Bio ADEK
- ▶ BIOMEGA 1000

- ▶ ACID REFLUX
- ▶ Bio HPF
- ▶ Berberine

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PROTOCOLS

- ▶ Food Allergies
- ▶ IAG
- ▶ Bio C Plus
- ▶ Biomega 1000
- ▶ Hemp Oil

- ▶ CONSTIPATION
- ▶ Lax ease
- ▶ Mg Zyme 2 bid

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GI TRACT SUPPORT

- ▶ GI Resolve 1 scoop bid E
- ▶ HCL Ease (for acid) 3 bid after meals
- ▶ Bio 6 Plus 1-2 with each meal
- ▶ Hydro Zyme 2 at the beginning of each meal
- ▶ Bio Doph 7 – 1 bid E
- ▶ Veggie Zymes 2 with each meal
- ▶ Lax Ease 2-4 qd E (constipation)
- ▶ Mg Zyme 3 bid F (constipation)
- ▶ IPS 2 bid E
- ▶ Colon Plus 2 bid E with at least a glass of water
- ▶ Explain food combining principles and water/food separation principle

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