

# GI RESTORE



## CLINICAL APPLICATIONS

- Maintains Normal Inflammatory Balance
- Strengthens GI Barrier Function
- Boosts Immune Function
- Provides Key Nutrients for Cell Replication
- Increases Antioxidant Protection

## GASTROINTESTINAL SUPPORT

GI Restore® is an advanced nutritional formula built to address immune challenges, maintain normal inflammatory balance and strengthen gastrointestinal barrier function. GI Restore® is a fructose-free formula featuring 19 g of easy-to-digest brown rice protein per serving and soothing, flax-based fiber. In addition, GI Restore® provides high amounts of L-glutamine and glycine, amino acids crucial for intestinal reinforcement and mucosal cell regeneration. GI Restore® is available in delicious vanilla chai, chocolate mint, and strawberry flavors.

### Overview

Inflammation is a natural part of the body's immune response, a cascade triggered to protect the body and maintain normal tissue repair. Acute inflammation is the body's initial response to harmful stimuli in which plasma and immune cells are relocated from the blood into injured tissues. This movement is followed by a cascade of biochemical events which advance the normal inflammatory response. When inflammation is prolonged, it leads to a progressive shift in the type of cells present at the site of inflammation and is characterized by simultaneous destruction and healing of the tissue. It is essential to maintain normal inflammatory balance to achieve optimal health.

### Turmeric (Complete Turmeric Matrix)<sup>†</sup>

Whole-root turmeric and its active components have been used in traditional Ayurvedic medicine for centuries. In herbal medicine of old, practitioners used teas, tinctures and extracts of all types. In the 21st century, as research grew on the benefits of turmeric, the focus shifted to identifying and isolating one individual compound, curcumin, rather than delivering the comprehensive benefits of a matrix of turmeric bioactives. As a result, concentrating curcumin led to poor absorption and pharmaceutical methods were applied to bypass the gut and increase its bioavailability. The glaring disadvantage

of applying this pharmaceutical model to botanicals is that it misses the benefits of other bioactives present within the turmeric matrix and their positive effects on the microbiome. New research on turmeric shows the additional bioactives in turmeric have additional benefits and enhance bioavailability. The Complete Turmeric Matrix includes compounds from the entire turmeric root, all working together as nature intended to deliver better results. The Complete Turmeric Matrix formulation contains standardized amounts of 45%–55% curcuminoids, 2%–6% turmerin protein and 3%–8% volatile oil, plus other components that make up the whole turmeric root. This matrix of bioactive compounds supports a healthy GI tract, creates a healthy microbiome, and helps maintain normal inflammatory balance

Studies have shown that turmeric and its phytonutrients, like curcumin, specifically maintain normal inflammatory balance in the most significant GI challenges.<sup>1,2</sup> Curcumin has been found to both promote GI mucosal health and help reduce stomach lining discomfort.<sup>3</sup> It provides antioxidant protection in the cardiovascular system.<sup>4</sup> Curcumin has also been shown to improve mood imbalances and adrenal fatigue by supporting a normal immune response, reducing oxidative stress and intestinal permeability.<sup>5</sup>

### Green Tea Extract (EGCg)<sup>†</sup>

Green tea, used for centuries as a health tonic, is a potent antioxidant and is effective for maintaining normal inflammatory balance. Its most researched active component, EGCg, has been repeatedly shown to protect against free radical damage and balance markers of inflammation. EGCg has been found to block NFkB activity and supports cardiovascular health by interfering with free radical generation in macrophages.<sup>6</sup> In studies, green tea has been shown to reduce histamine-producing cells<sup>7</sup> and maintain normal inflammatory balance. It has also been shown

<sup>†</sup>These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

to inhibit key enzyme pathways involved in inflammation, which play a key role in joint health.<sup>8</sup>

### Arabinogalactan<sup>†</sup>

Larch arabinogalactan is a fermentable polysaccharide fiber from the larch tree that promotes optimal immune health by supporting the growth of beneficial gut flora and strengthening the activity of NK cells.<sup>9</sup> It has been found to minimize ammonia synthesis and absorption, enhance production of short-chain fatty acids and increase the population of beneficial gut microflora. In one placebo-controlled, double-blind, randomized trial, arabinogalactan was found to boost immune activity and support upper respiratory health.<sup>10</sup>

### Skullcap Root Extract<sup>†</sup>

This popular Chinese botanical has been shown to maintain normal inflammatory balance and support cardiovascular health.<sup>11</sup> Skullcap possesses potent antioxidant properties. Research has shown it attenuates NFκB and inhibits COX-2 expression.<sup>13</sup> It also supports healthy respiratory function by protecting airways and protecting mitochondrial function.<sup>12</sup>

### Quercetin<sup>†</sup>

A flavonoid found in a variety of botanicals, vegetables and fruits, quercetin is a potent antioxidant that inhibits inducible ICAM-1 expression, an important pathway for maintaining normal inflammatory balance.<sup>13</sup> It has also been shown to enhance epithelial barrier function in the intestines<sup>14</sup> by stabilizing mast cells through the release of cell-protective factors. In addition, quercetin has been shown to promote the balanced release of inflammatory mediators from mast cells.<sup>15</sup>

### Glutamine and Glycine<sup>†</sup>

Amino acids L-glutamine and glycine are essential for healthy gut mucosa and normal tissue repair. Numerous studies have shown these amino acids to be soothing to the GI lining.<sup>16</sup> The amino acid L-glutamine have been associated with better immune response, stronger intestinal wall lining and higher antioxidant capacity.<sup>17</sup> Recent research also highlights the synergistic role between these amino acids and a healthy balance of probiotic bacteria in the GI tract.<sup>18</sup>

### Vitamin D<sup>†</sup>

One of the key functions of vitamin D is its ability to tighten gap junctions in the intestinal lining to create a strong barrier that protects the body from foreign substances. Recent research suggests that improving vitamin D status significantly affects the expression of genetic pathways linked to immune activity.<sup>19</sup> Vitamin D up-regulates specific genes that increase cellular production of natural compounds that play a major protective role in the immune system.<sup>20</sup> Higher blood levels of vitamin D have been shown to enhance immune function and soothe tissues of the GI tract.<sup>21</sup>

### Directions

Mix 2 scoops of **GI Restore**<sup>®</sup> with 8-10 ounces of the beverage of your choice to the desired thickness, once daily or as recommended by your health care professional.

### Does Not Contain

Gluten, yeast, artificial colors, and flavors.

### Cautions

Do not consume this product if you are pregnant or nursing. Consult your physician for further information. This product contains corn.

<b>Supplement Facts</b> <sup>v3</sup>		
Serving Size 2 Scoops (52.8 Grams)		
Servings Per Container 14		
	Amount Per Serving	% Daily Value
Calories	210	
Total Fat	7 g	9%*
Saturated Fat	3 g	15%*
Total Carbohydrate	14 g	5%*
Dietary Fiber	5 g	18%*
Total Sugars	8 g	**
Includes 6 g Added Sugars		12%*
Protein	19 g	38%*
Vitamin D (D3 as Cholecalciferol)	50 mcg (2,000 IU)	250%
Calcium	30 mg	2%
Iron	2 mg	11%
Sodium	50 mg	2%
Potassium	250 mg	5%
<b>Proprietary Blend</b>	28.5 g	
Rice Protein		**
Flaxseed Flour (Organic)		**
L-Glutamine USP	2.5 g	**
Medium Chain Triglycerides	1.5 g	**
Alpha Linolenic Acid (from Organic Flaxseed Flour)	1.3 g	**
Arabinogalactan Heartwood (from Larch Tree)	1 g	**
L-Lysine Hydrochloride USP	750 mg	**
Glycine USP	500 mg	**
L-Proline USP	500 mg	**
Quercetin Dihydrate	250 mg	**
Skullcap Root Extract (Standardized to contain 30% Flavonoids)	250 mg	**
Turmeric Root Extract (Complete Turmeric Matrix) (Standardized to contain 45-55% Curcuminoids, 3-8% Volatile Oil, 2-6% Turmerin)	250 mg	**
Propolis Extract	200 mg	**
Ginger Root Extract (Standardized to contain 5% Gingerols)	100 mg	**
Green Tea Leaf Extract (Standardized to contain 45% EGCG (Epigallocatechin gallate))	100 mg	**
Rosemary Leaf Extract	100 mg	**

\* Percent Daily Values are based on a 2,000 calorie diet.  
\*\* Daily Value not established.

**GI Restore<sup>®</sup> Chocolate Mint ID# 672001 Net Wt. 1 lb 10.1 oz (26.1 oz) (739.2 g)**

<sup>†</sup>These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

# Supplement Facts <sup>v3</sup>

Serving Size 2 Scoops (50.5 Grams)  
Servings Per Container 14

	Amount Per Serving	% Daily Value
Calories	200	
Total Fat	6 g	8%*
Saturated Fat	3 g	15%*
Total Carbohydrate	14 g	5%*
Dietary Fiber	4 g	14%*
Total Sugars	8 g	**
Includes 6 g Added Sugars		12%*
Protein	19 g	38%*
Vitamin D (D3 as Cholecalciferol)	50 mcg (2,000 IU)	250%
Calcium	30 mg	2%
Iron	0.4 mg	2%
Sodium	50 mg	2%
Potassium	90 mg	2%
<b>Proprietary Blend</b>	28.5 g	
Rice Protein		**
Flaxseed Flour (Organic)		**
L-Glutamine USP	2.5 g	**
Medium Chain Triglycerides	1.5 g	**
Alpha Linolenic Acid (from Organic Flaxseed Flour)	1.3 g	**
Arabinogalactan Heartwood (from Larch Tree)	1 g	**
L-Lysine Hydrochloride USP	750 mg	**
Glycine USP	500 mg	**
L-Proline USP	500 mg	**
Quercetin Dihydrate	250 mg	**
Skullcap Root Extract (Standardized to contain 30% Flavonoids)	250 mg	**
Turmeric Root Extract (Complete Turmeric Matrix) (Standardized to contain 45-55% Curcuminoids, 3-8% Volatile Oil, 2-6% Turmerin)	250 mg	**
Propolis Extract	200 mg	**
Ginger Root Extract (Standardized to contain 5% Gingerols)	100 mg	**
Green Tea Leaf Extract (Standardized to contain 45% EGCG (Epigallocatechin gallate))	100 mg	**
Rosemary Leaf Extract	100 mg	**

\* Percent Daily Values are based on a 2,000 calorie diet.

\*\* Daily Value not established.

**GI Restore® Vanilla Chai ID#**  
**671001 Net Wt. 1 lb 8.9 oz**  
**(24.9 oz) (707.0 g)**

# Supplement Facts <sup>v3</sup>

Serving Size 2 Scoops (51.8 Grams)  
Servings Per Container 14

	Amount Per Serving	% Daily Value
Calories	200	
Total Fat	7 g	9%*
Saturated Fat	3 g	15%*
Total Carbohydrate	15 g	5%*
Dietary Fiber	5 g	18%*
Total Sugars	10 g	**
Includes 8 g Added Sugars		16%*
Protein	19 g	38%*
Vitamin D (D3 as Cholecalciferol)	50 mcg (2,000 IU)	250%
Calcium	30 mg	2%
Iron	1 mg	6%
Sodium	70 mg	3%
Potassium	90 mg	2%
<b>Proprietary Blend</b>	28.5 g	
Rice Protein		**
Flaxseed Flour (Organic)		**
L-Glutamine USP	2.5 g	**
Medium Chain Triglycerides	1.5 g	**
Alpha Linolenic Acid (from Organic Flaxseed Flour)	1.3 g	**
Arabinogalactan Heartwood (from Larch Tree)	1 g	**
L-Lysine Hydrochloride USP	750 mg	**
Glycine USP	500 mg	**
L-Proline USP	500 mg	**
Quercetin Dihydrate	250 mg	**
Skullcap Root Extract (Standardized to contain 30% Flavonoids)	250 mg	**
Turmeric Root Extract (Complete Turmeric Matrix) (Standardized to contain 45-55% Curcuminoids, 3-8% Volatile Oil, 2-6% Turmerin)	250 mg	**
Propolis Extract	200 mg	**
Ginger Root Extract (Standardized to contain 5% Gingerols)	100 mg	**
Green Tea Leaf Extract (Standardized to contain 45% EGCG (Epigallocatechin gallate))	100 mg	**
Rosemary Leaf Extract	100 mg	**

\* Percent Daily Values are based on a 2,000 calorie diet.

\*\* Daily Value not established.

**GI Restore® Strawberry ID#**  
**673001 Net Wt. 1 lb 9.6 oz**  
**(25.6 oz) (725.2 g)**

\*These statements have not been evaluated by the Food and Drug Administration.  
This product is not intended to diagnose, treat, cure, or prevent any disease.

**EFFICACY**  
the power of *e*

## References

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