



**GI-DEFENSE™**  
**(SKU #48501)**  
**PRODUCT TRAINING SHEET**



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## PRODUCT BASICS

**PRODUCT DESCRIPTION:** GI-Defense features the *Glycobiome™* and *Butyrate Support Blend*, formulated to enable your body to naturally replenish butyrates within the gut.\* These short-chain fatty acids are crucial to helping strengthen and nourish the intestinal lining, providing a stable environment for your microbes to carry on their many important missions – including supporting cell to cell communication so both gut and brain perform at their peak.\*

Formulated to soothe the intestinal wall by providing a calming blend of natural and scientifically shown ingredients, designed to balance beneficial bacteria, purify the gut, and promote strong, healthy gut lining.\*

### BENEFITS:

- Helps strengthen and support gut barrier function and integrity.\*
- Supports healthy intestinal permeability and environment.\*
- Helps purify the gut and balance beneficial bacteria.\*
- Promotes a strong, healthy gut lining.\*
- Supports healthy intestinal cells and environment by a healthy response to NF-kb.\*
- Supports the immune system by supporting the antioxidant ability of the gut.\*
- Provides sustained energy and optimizes nutrient absorption by supporting butyrate production.\*
- Supports Short Chain Fatty Acid (SCFA) production.\*
- Contributes to the maintenance of the normal mucus function on the intestinal lining.\*
- Supports healthy functioning of the digestive and immune systems.\*
- Helps comfort feelings of gas and bloating.\*
- Supports feelings of energy and focus, and may even help improve your mood.\*

### FEATURES:

- No artificial colors, flavors, sweeteners or preservatives
- Gluten-free
- Low glycemic
- Scientifically sound ingredients (backed with human scientific support)
- No allergens (dairy, soy, seafood, wheat)
- Contains prebiotic fibers
- Contain glyconutrient components
- Contains natural ingredients
- No MSG
- Non-GMO

## WHAT MAKES THIS PRODUCT SPECIAL?

### WHO IS IT FOR?

- For anyone who wishes to support their body knowing the many issues that a modern lifestyle can have on our health beginning at the gut, from fatigue, to weight gain, and well beyond.\*

### WHAT MAKES IT UNIQUE?

- The feature ingredient in GI-Defense, *Glycobiome and Butyrate Support Blend* has been scientifically shown to help strengthen and support gut barrier function with only 500 mg daily.\*
- Mannatech's proprietary formulation provides safe, natural and effective support against the growing number of physical and psychological issues related to poor gut health.\*

### WHAT IT IS NOT:

It is not probiotic, antacid or indigestion support supplement.

### TOP FAQ:

#### 1. Why is it so important that the gut lining be strong and healthy?

When working properly, your gastrointestinal digestive tract (GI) breaks down food, absorbs nutrients and protects your body from harmful substances while efficiently eliminating waste. When you consider that 70% of our immune system lives within our digestive tract, you can see can begin understanding how valuable it is to keep our GI tract healthy and working properly.

Our extensive intestinal lining covers more than 4,000 square feet of surface area. When working properly, our intestinal wall acts as a barrier, controlling what enters our blood stream. Small gaps in the intestinal wall's "tight junctions" allow water and beneficial nutrients to enter while blocking out harmful substances.

#### 2. What is a microbiome?

Your microbiome consists of 100 trillion microbes that live on and in your body. Unseen by the naked eye, these microbes work continuously to form your innate and adaptive immune system, break down your food for digestion and even influence how much you weigh. Your health depends on the life and vibrancy of your microbiome.

#### 3. What exactly are butyrates and why are they important?

Your microbiome supports microbial fermentation of dietary fibers in the lower intestine and manufactures butyrate, a short chain fatty acid. Butyrate is fuel for cells in your gut lining, so supporting butyrate production nourishes the cells in your gut lining, which supports immune system functions of the colon wall and helps to maintain a healthy digestive tract.\*

#### 4. What is the *Glycobiome and Butyrate Support Blend* and why is it so important?

The *Glycobiome and Butyrate Support Blend* refers to a natural citrus flavonoid (phytonutrient) complex combined with Glyconutrients designed to support the gut and immune health.\* This natural citrus flavonoid complex in GI-Defense has been scientifically shown to help strengthen and support gut barrier function. Mannatech's proprietary formulation provides safe, natural and effective support for healthy gut barrier function.\*

## 5. What are flavonoids?

Flavonoids contain specific sugars that prevent absorption until they reach the colon. When flavonoids are metabolized in the colon two actions occur:

1. Gut microbiome modulation: Supports the increase of short chain fatty acids (such as butyrates), helping to calm and strengthen gut lining integrity.
2. Enhances effects of active flavonoids: Flavonoids effect the antioxidant activity and help release metabolites, resulting in lower oxidative stress for the gut barrier.

## 6. Why did we include flavonoids in GI-Defense?

Flavonoids can help balance beneficial bacteria and can help strengthen the gut barrier.\* This results in support for a healthier digestive system and immune system.\*

## 7. Who is the GI-Defense supplement ideal for?

For anyone who wishes to support against the many health issues that a modern lifestyle can have on our health beginning at the gut, from fatigue, to weight gain, to joint pain and well beyond.\*

### COMPLEMENTARY PRODUCT SECTION:

**GI-ProBalance**—Formulated to nourish your gut with 8 strains of probiotics and rich prebiotic fibers.\* It supports the natural balance of good bacteria in your gut microbiome and helps maintain healthy digestion.\*



**GI-Zyme**—Scientifically formulated to help improve digestion and the absorption of nutrients from food, and may reduce typical discomfort that can be caused by normal eating.\*



### DIRECTIONS:

Take two capsules daily.

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

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## Supplement Facts

Serving Size: 2 Capsules

Servings Per Container: 30

	Amount Per Serving	% Daily Value
Calories	10	
Glycobiome and Butyrate	649 mg	†
Production Support Blend		
Orange extract (fruit of <i>Citrus sinensis</i> )		
Grapefruit extract (fruit of <i>Citrus paradisi</i> )		
Glucosamine HCl (vegetarian)		
Gum acacia		
Arabinogalactan <sup>§</sup> (from <i>Larix</i> spp. wood)		
Gum tragacanth		
Aloe vera extract <sup>‡</sup> (inner leaf gel powder)		
Marshmallow root extract	115 mg	†
( <i>Althaea officinalis</i> )		
Grape seed extract	60 mg	†
( <i>Vitis vinifera</i> )		
Licorice root extract	57 mg	†
( <i>Glycyrrhiza glabra</i> )		
Cinnamon (dried bark of	57 mg	†
<i>Cinnamomum cassia</i> )		
Peppermint (leaf of	27 mg	†
<i>Mentha piperita</i> L.)		
Ginger (root of <i>Zingiber</i>	27 mg	†
<i>officinale</i> )		
Black pepper extract (fruit	27 mg	†
of <i>Piper nigrum</i> )		
Clove (flower of <i>Syzygium</i>	21 mg	†
<i>aromaticum</i> )		

† Daily Value not established.

<sup>‡</sup>Manapol® Aloe vera extract

<sup>§</sup>AmbroGuard® Arabinogalactan powder

### Other ingredients:

Hydroxypropyl methylcellulose(vegetarian capsule), microcrystalline cellulose, stearic acid, silicon dioxide

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