# Gluten/Dairy Digest

# A unique mix of enzymes to support healthy gluten and dairy digestion<sup>†</sup>

### **INDICATIONS**

Individuals ages 4 and up

#### **BENEFITS**

- Promotes healthy gluten and dairy digestion<sup>†</sup>
- May support G.I. comfort and function<sup>†</sup>
- Helps to relieve occasional bloating or gas due to dairy consumption<sup>†</sup>

# **FEATURES**

- Offers the unique, clinically researched Tolerase<sup>®</sup>
  G prolyl-endopeptidase enzyme at the level
  designed to target the breakdown of 500 mg
  gluten<sup>t</sup>^
- Contains enzymes to break down casein, betalactoglobulin, and lactose components of dairy<sup>†</sup>
- Made with high-quality, vegetarian ingredients backed by verifiable science

### **VERIFIABLE SCIENCE**

Gluten/Dairy Digest contains a blend of digestive enzymes targeting gluten and dairy digestion. Gluten/Dairy Digest includes a blend of proteases specially formulated with

the scientifically researched prolyl-endopeptidase enzyme targeting gluten breakdown. In a randomized, double-blind, placebo-controlled trial, individuals consuming prolyl-endopeptidase enzyme and gluten showed lower  $\alpha$ -gliadin (a main component of gluten) concentration in the stomach and duodenum. In another randomized, placebocontrolled, crossover study, 18 gluten-sensitive subjects consumed a mixed meal containing 0.5 g gluten. Tolerase® G (83,300 PPI) significantly degraded gluten concentrations in both the stomach and duodenum. In the stomach, median gluten levels were reduced from 176.9 mcg (range of 73.5-357.8 mcg) to 25.4 mcg (16.4-43.7 mcg, p=0.001). In the duodenum, median gluten levels were reduced from 14.1 mca (range of 8.3-124.7) to 7.4  $mcq (3.8-12 mcq, p=0.015).^{2}$  The enzyme specifically degrades the immunogenic parts of the gluten protein. Research reveals that glutensensitive T-cells no longer react after gluten has been degraded with the enzyme.<sup>3</sup> Additionally, this formula provides a unique mixture of protease enzymes and lactase to assist digestion of multiple constituents of milk and dairy products. Protease

enzymes targeting casein and beta-lactoglobulin proteins support dairy protein digestion. Casein is the predominant protein in milk and cheese. Beta-lactoglobulin occurs primarily in the whey fraction of milk. It is an acid-stable protein and therefore may not be broken down by pepsin and pancreatin. Lactase breaks down the milk sugar lactose, helping to relieve occasional bloating or gas that some people can experience from dairy consumption. 41

## **SUGGESTED USE**

As a dietary supplement, take 1 capsule as needed, with a meal, or as directed by a health professional.

#### **STORAGE**

Store in a cool, dry place.

# **WARNING**

If you are pregnant or lactating, have any health condition or are taking any medication, consult your health professional before use. If you are on a controlled diet and/or under the care of a health care professional for dairy and or gluten digestion, continue to follow those recommendations. This product is not intended to substitute for the recommendations of a health professional.

# **SOURCE**

Enzymes are derived from microbial fermentation.

### **NOTES**

Size 1 caps

Bottle count 60/120

Order code GDD26/GDD21

Bottle size 120 cc/190 cc

#### REFERENCES

- 1. Salden et al. Aliment Pharmacol Ther. 2015; 42:273-285.
- 2. König J, Holster S, Bruins MJ, Brummer RJ. Sci Rep. 2017 Oct 12;7(1):13100.
- 3. Janssen G, Christis C, Kooy-Winkelaar Y, et al. Ineffective Degradation of Immunogenic Gluten Epitopes by Currently Available Digestive Enzyme Supplements. PLoS One. 2015 Jun 1;10(6):e0128065.



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4. He M, Yang Y, Bian L, Cui H. Journal of Hygiene Research. 1999 Sep 30;28(5):309-11.

## SUPPLEMENT FACTS

1 daily, with food

One (size 1) capsule contains::

Tolerase® G Prolyl Endopeptidase	83,300 PPI
BioCore® Dairy	105 mg
protease (endo/exopeptidase)	630 BLGU
lactase	1,000 ALU
Other ingredients: vegetarian capsule (cellulose, water)	

BioCore® is a trademark of National Enzyme Company.

Tolerase® G is a trademark of DSM.

Tolerase® G is not intended to replace a gluten-free diet.

Tolerase ® G is not intended to treat or prevent Celiac disease.





Gluten/Dairy Digest	Quantity	Order Code
	120	GDD21
	60	GDD26

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Visit PureEncapsulationsPro.com for more information about our GMO policy.

