

Gluterase®

Gluterase® was designed to provide digestive support for those with gluten intolerance or sensitivity.

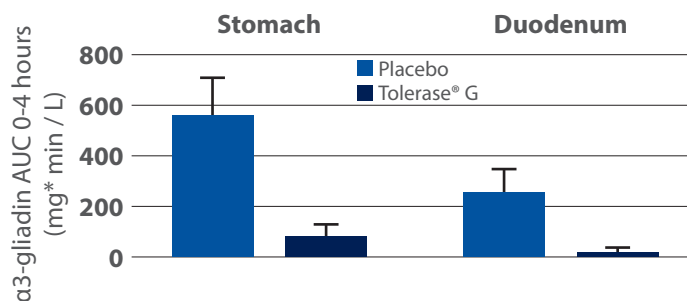
Gluten represents approximately 50% to 80% of the protein found in wheat, barley and rye grains, and primarily due to its rich proline content, is very difficult to digest⁽¹⁾. It can be found in many different foods as an additive, making it very difficult to avoid entirely, even when trying to follow a gluten free diet. It is for those patients that Biotics Research formulated **Gluterase®**.

Gluterase® provides specific nutrients shown to help digest and inactivate gluten, and at the same time support the health and efficacy of the gastrointestinal (GI) tract.

Tolerase® G, a specialized enzyme preparation providing prolyl endopeptidase, and has been shown to significantly degrade gluten (Gli-a3) in the stomach and duodenum of human volunteers⁽²⁾. Tolerase® G is stable and active under gastric conditions and has demonstrated it is more effective than other commercially available enzymes currently promoted to digest gluten^(2,3,4).



Tolerase® G degrades gluten (Gli-a3) in stomach and duodenum of human volunteers

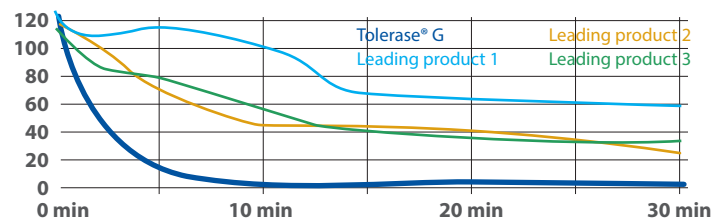


Tolerase® G significantly degrades gluten epitope concentrations in the stomach and duodenum of human volunteers compared to placebo⁽⁴⁾

Gluten-digesting enzymes available on the market are not very effective

Methods

Commercial dietary supplements for gluten digestion were compared to *in vitro* gluten epitope digestion.



Currently available gluten-digesting enzyme supplements are not effective⁽⁴⁾.



BIOTICS
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CORPORATION
*Utilizing "The Best of Science and Nature"
to Create Superior Nutritional Supplements*



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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.

Gamma oryzanol (from rice) a mixture of sterols and ferulic acid esters. It has been documented to effectively support gastric healing⁽⁵⁾.

Okra (*Abelmoschus esculentus*), provides pectin and mucilage, and possesses antioxidant activity. As a mucilaginous nutrient, it provides significant support to mucous membranes.

Marshmallow (*Althaea officinalis*) extract supports mucosa health. Its polysaccharides possess antitussive activity.

Superoxide Dismutase and Catalase (from vegetable culture) are two very important antioxidant enzymes.

References

1. Hausch t, et al. Am J Physiol - Liver Physiol. 2002 Oct; 283(4): G996-G1003
2. Stepniak D, et al. Am J Physiol – Gastrointestinal and Liver Physiology 2006; 291: G621-9
3. Mitea C, et al. Gut 2008; 57: 25-32
4. Janssen G, et al. PLOS ONE doi:10.1371/journal.pone.0128065 June 1, 2015
5. <http://uofmhealth.org/health-library/hn-2850009> (U of Michigan Health System)
6. Shaw, AL. A Thesis Submitted to the Graduate Faculty of Auburn University May 10,2007

Gluterase® is available in 60-count bottles (#8009).

Supplement Facts

Serving Size: 2 Tablets

Servings Per Container: 30

	Amount Per Serving	% Daily Value
Tolerase® G (prolyl endopeptidase)	270 mg	*
Gamma Oryzanol (from rice)	100 mg	*
Okra (<i>Abelmoschus esculentus</i>) (fruit)	100 mg	*
Marshmallow (<i>Althaea officinalis</i>) (root) (extract)	50 mg	*
Superoxide Dismutase (from vegetable culture †)	15 mcg	*
Catalase (from vegetable culture †)	15 mcg	*

* Daily Value not established

Other ingredients: Cellulose, modified cellulose gum, modified cellulose, magnesium stearate (vegetable source), food glaze and silica.

† Specially grown, biologically active vegetable culture containing naturally associated phytochemicals including polyphenolic compounds with SOD and catalase, dehydrated at low temperature to preserve associated enzyme factors.

Tolerase® G is a trademark of DSM.

This product is gluten and dairy free and helps to digest foods containing gluten.

RECOMMENDATION: Two (2) tablets with each meal as a dietary supplement or as otherwise directed by a healthcare professional.

CAUTION: **Gluterase®** is not suitable to replace a gluten-free diet. **Gluterase®** is not suitable to treat or prevent celiac disease.

KEEP OUT OF REACH OF CHILDREN

Store in a cool, dry area.

Sealed with an imprinted safety seal for your protection.

Product # 8009 Rev. 03/17

To place your order for **Gluterase®** or for additional information please contact us below.



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