

EpicDefense is a revolutionary probiotic and postbiotic blend designed for year-round immune resilience. This advanced formula optimizes immune balance, fortifies mucosal defenses, boosts antibodies and key immune-signaling cytokines, and promotes exceptional nasal and respiratory comfort—empowering patients to thrive through daily and seasonal challenges.\*\*

### Next-Gen Immunobiotic Powerhouse

EpicDefense is a science-backed, next-generation immunobiotic formula for daily immune health and respiratory comfort. This next-level formula contains extensively documented and clinically studied proprietary immunobiotics, LGG®, BB-12®, and EpiCor®, plus Albion® Minerals' immune-promoting zinc bisglycinate, chelated for optimal absorption and bioavailability.

Powered by cutting-edge science, EpicDefense promotes a healthy immune system for daily and seasonal wellness. Redefine patients' immune care with EpicDefense, the new standard in next-generation immunobiotic support.

## Clinical Applications

- Provides daily, year-round immune health support\*\*
- Optimizes immune balance & mucosal immune function\*\*
- Supports nasal comfort; reduces respiratory discomfort \*\*
- Boosts key antibodies & immune-signaling cytokines\*\*
- Promotes balanced inflammatory responses\*\*
- LGG® & BB-12® reduce the duration & degree of respiratory discomfort.\*\*
- LGG® & BB-12® encourage beneficial gut bacteria colonization\*\*
- LGG® & BB-12® support microflora balance to maintain a healthy microbiome\*\*
- LGG® adheres to intestinal mucus, promoting beneficial immune regulation\*\*
- BB-12® promotes increased production of specific antibodies\*\*
- EpiCor® promotes a healthy immune response during seasonal challenges\*\*
- Chelated zinc bisglycinate enhances NK (Natural Killer) cell function\*\*

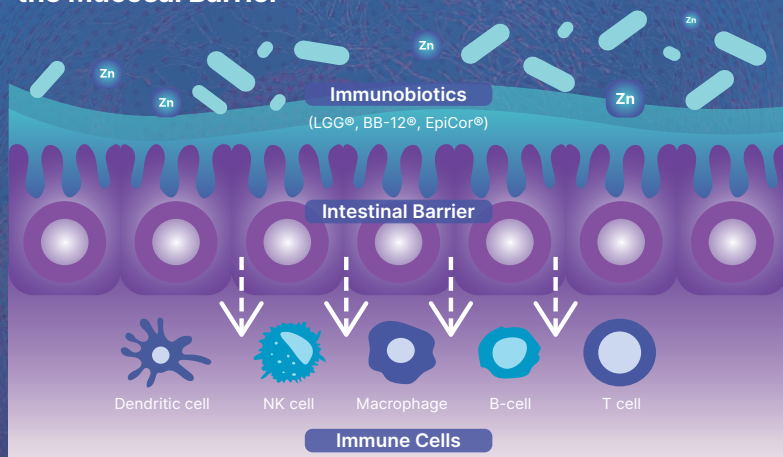


## Mechanism of Action

### Gut-Powered Immunity from EpicDefense

A whopping 70-80% of immune cells reside in the gut. The intestinal microbiota, epithelial layer, and mucosal immune system work in harmony to drive robust health. EpicDefense harnesses this connection, leveraging advanced immunobiotics to optimize local gut immunity and promote a healthy overall immune response for comprehensive wellness.

### Gut-Immune Crosstalk Across the Mucosal Barrier



### Immunobiotics

*Lactobacillus* LGG®, *Bifidobacterium* BB-12®, and EpiCor® (*Saccharomyces cerevisiae*) are extensively scientifically and clinically studied immunobiotics, specific probiotic strains or related microbial components (like postbiotics) that interact with the immune system to promote balanced immune responses and overall health.

**Unlike general probiotics, which primarily support gut health, immunobiotics can regulate immune function, such as:**

- Enhancing mucosal defenses
- Supporting antibody production
- Promoting beneficial gut bacteria that influence immunity

Learn More About EpicDefense:

(904) 940-2208 | [info@microbiomelabs.com](mailto:info@microbiomelabs.com) | [www.microbiomelabs.com](http://www.microbiomelabs.com) | [@microbiomelabs](https://www.instagram.com/microbiomelabs)



## SUPPLEMENT FACTS

Serving Size 1 Capsule  
Servings Per Container 30

Amount Per Serving	% Daily Value
Zinc (as Zinc Bisglycinate Chelate) (Albion®)	10 mg 91%
Dried Yeast Fermentate (EpiCor®) 500 mg †	( <i>Saccharomyces cerevisiae</i> )
Proprietary Probiotic Blend	14 mg †
Total Probiotic Cultures	(2 Billion CFU)
<i>Lactobacillus rhamnosus</i> , (LGG®)	†
<i>Bifidobacterium lactis</i> , (BB12®)	†

† Daily values not established.

**OTHER INGREDIENTS:** Hypromellose (Capsule), Microcrystalline Cellulose, Magnesium Stearate, Silica

Albion® is a registered trademark of Balchem Corporation or its subsidiaries. EpiCor® is a registered trademark of Cargill, Incorporated. BB12® & LGG® are formative trademarks of Chr. Hansen A/S

### Suggested Use:

1 capsule per day or as directed by your healthcare practitioner





## EpicDefense

- ✓ Formulated with two of the world's most-documented & clinically studied next-generation immunobiotics, LGG® + BB-12®, along with EpiCor®, another potent immunobiotic
- ✓ Immunobiotics work in the gut microbiome, actively promoting gut mucosal immunity & a healthy overall immune response
- ✓ Clearly Defined Mode of Action: Leverages the 70-80% of gut-based immune cells that:
  - Eliminate non-beneficial microorganisms
  - Produce antibodies
  - Secrete key immune-signaling cytokines
- ✓ Promotes a primed & ready immune system, maintaining year-round defenses against daily & seasonal challenges
- ✓ Delivers targeted, science-driven immunobiotics backed by research for proven results
- ✓ Formulated with Albion® Minerals' immune-promoting zinc bisglycinate, chelated for ultra absorption & bioavailability

## Other Immune Product

- ✗ Contains minimal or no immunobiotics
- ✗ Taken orally as needed—must be absorbed & assimilated to provide local & systemic effects
- ✗ Undefined Mode of Action: Works by various mechanisms, depending on ingredients, which mostly manage symptoms
- ✗ Benefits require early intervention, as absorption & immune activation take time
- ✗ Unknown or generic ingredients lacking credible clinical research support
- ✗ Unknown or generic zinc format & source

## Science You Can Trust

 Ingredient(s) Claim	 Study Parameters	 Trial Result	 Study Link
<b>LGG® + BB-12®</b> Reduce the duration and alleviate the score of upper respiratory discomfort	Randomized, double-blind, placebo-controlled trial 12 weeks 198 human subjects	<ul style="list-style-type: none"> <li>↓ Respiratory discomfort duration &amp; severity</li> <li>↑ Health-related quality of life (HRQL)</li> </ul>	Smith et al. (2012) doi:10.1017/S0007114512004138
<b>LGG® + BB-12®</b> Support gut microflora balance, promote the growth of beneficial bacteria, and maintain a healthy microbiome	<i>in vitro</i> studies	<ul style="list-style-type: none"> <li>↑ Gut microflora balance</li> <li>↑ Beneficial bacteria growth</li> <li>↑ Microbiome health</li> </ul>	Flach et al. (2018) doi:10.1080/23311932.2018.1452839
<b>LGG®</b> Shown in clinical studies to promote respiratory health, including fewer days with respiratory discomfort and fewer instances lasting more than three days	Randomized, double-blind, placebo-controlled trial 3 months 281 children	<ul style="list-style-type: none"> <li>↑ Respiratory health</li> <li>↓ Respiratory instances lasting more than three days</li> <li>↓ Days with respiratory discomfort</li> </ul>	Hojsak et al. (2019) doi:10.1016/j.clnu.2009.09.008
<b>BB-12®</b> Enhances immune response by increasing specific antibody production in response to a challenge	Randomized, double-blind, placebo-controlled trial 6 weeks 211 human subjects	<ul style="list-style-type: none"> <li>↑ IgG levels</li> <li>↑ IgA levels</li> <li>↑ Total antibody concentrations</li> </ul>	Rizzardini et al. (2011) doi:10.1017/S000711451100420X
<b>EpiCor®</b> Supports healthy nasal airflow and improved nasal comfort compared to placebo	Randomized, double-blind, placebo-controlled trial 12 weeks 96 human subjects	<ul style="list-style-type: none"> <li>↑ Nasal &amp; airflow comfort</li> <li>↓ Nasal discharge</li> <li>↓ Nasal concerns severity &amp; duration</li> </ul>	Moyad et al. (2009) doi:10.1007/s12325-009-0057-y
<b>Zinc</b> Enhances Natural Killer cell functionality and decreases circulating Innate Lymphoid Cell counts and frequencies in healthy young adults	Investigative study 14 days 54 human subjects	<ul style="list-style-type: none"> <li>↑ Natural Killer cell functionality</li> <li>↓ Circulating innate lymphoid cell counts &amp; frequencies</li> </ul>	Amling et al. (2025) doi:10.1186/s12967-025-06259-y