

PRODUCT GUIDE

# Lalmin® Immune



## NATURAL, WHOLE FOOD IMMUNE SUPPORT

**Lalmin® Immune** is a unique, fermented, whole food, yeast-based health ingredient formulated to protect the body thanks to the complementary immune and antioxidative properties of its components. It contains **Lalmin® Se**, selenium-enriched yeast with highly bioavailable selenium; **Lalmin® Vita D**, yeast containing elevated natural levels of vitamin D2, and **Glucans-30**, activated yeast  $\beta$ -1,3/1,6 glucans. 350mg of **Lalmin® Immune** provides 60  $\mu$ g of Selenium, 400 IU of Vitamin D2 and more than 80 mg of  $\beta$ -1.3/1.6 glucans.



### LALMIN® SE - NATURALLY FERMENTED

**Lalmin® Se** is a dried inactivated whole cell yeast (*Saccharomyces cerevisiae*) containing elevated levels of selenium in its natural food form, L-(+) selenomethionine. Selenomethionine is naturally found in edible plant proteins and is highly bioavailable and safe compared to inorganic forms of selenium.

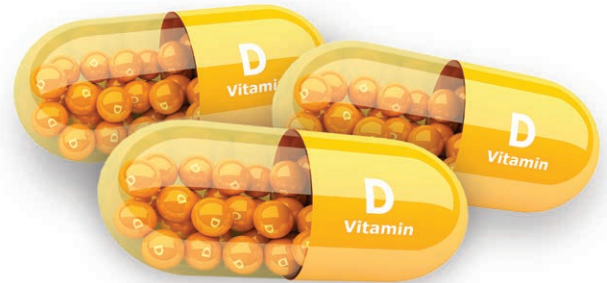
**Selenium & Immunity<sup>(1)</sup>:** Selenium plays an important role in boosting cell-mediated immunity and helps protect against viral infections.

### VITAMIN D YEAST IS BIOAVAILABLE IN HUMANS<sup>(2)</sup>

▶ **Lalmin® Vita D** is a dried inactivated whole cell yeast (*Saccharomyces cerevisiae*) containing elevated levels of vitamin D2, produced through exposure to UV light. A safe, natural, vegan form of vitamin D with proven bioavailability.

▶ **Vitamin D & Immunity<sup>(3)</sup>:**

Vitamin D research has confirmed important interactions between vitamin D and cells from the innate as well as from the adaptive immune system. Vitamin D is essential for normal immune function.



PRODUCT GUIDE

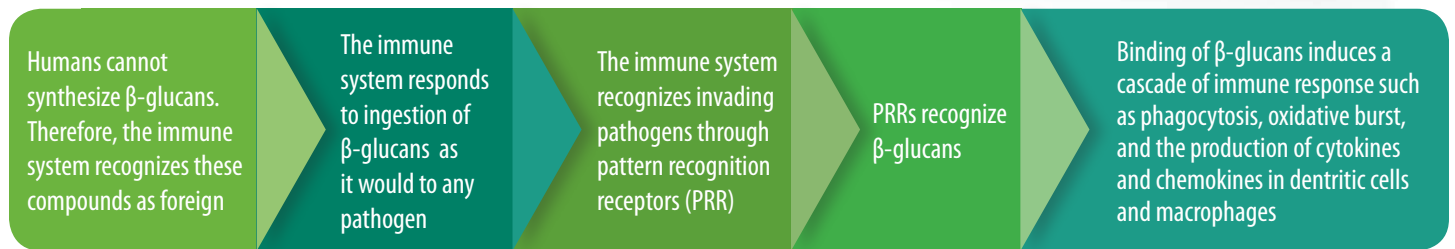
# Lalmin® Immune



## GLUCANS 30 - CLINICALLY PROVEN IMMUNE SUPPORT

**GLUCANS-30** is a natural cell wall fraction of *Saccharomyces cerevisiae* containing elevated levels of  $\beta$ -1,3/1,6-glucans. These naturally occurring polysaccharides help keep the immune system in a "primed" state, for a quick response to infection and faster recovery.<sup>(4)</sup>

Beta-glucans can reduce how often you catch a cold<sup>(5)</sup>, significantly decrease the severity of symptoms in upper respiratory tract infections<sup>(6)</sup>, and reduce the effects of increased stress<sup>(7)</sup>, all while not over-stimulating the immune system and causing inflammation.



## LALMIN® IMMUNE AND HEALTH CLAIMS

According to the European claim regulation - Article 13.1 of Regulation (EC) No 1924/2006:

<b>Antioxidant</b>	Selenium contributes to the protection of cell constituents from oxidative damage
<b>Immunity</b>	Selenium contributes to the normal function of the immune system Vitamin D contributes to the normal function of the immune system and healthy inflammatory response

### References

1. EFSA Panel on Dietetic Products, Nutrition and Allergies (NDA); Scientific Opinion on the substantiation of health claims related to selenium
2. EFSA Panel on Dietetic Products, Nutrition and Allergies (NDA); Scientific Opinion on the substantiation of health claims related to vitamin D
3. Priel et al. (2013). Vitamin D and Immune Function. *Nutrients*; 5, 2502-2521.
4. Goodridge, et. al., *Nature*; Vol 472, p. 471, 2011
5. Graubaum et al., *Food and Nutrition Sciences*; 3: 738-746, 2012
6. Talbott et al., [HYPERLINK «http://www.tandfonline.com/toc/uacn20/31/4»](http://www.tandfonline.com/toc/uacn20/31/4) *Journal of the American College of Nutrition*; Vol. 31(4), 2013
7. Mosikanon et al, *J Diet Suppl.* 2017 Mar 4;14(2):173-185. Epub 2016

