

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 β -1,3/1,6 glucans. 350mg of **Lalmin® Immune** provides 60 μ g of Selenium, 400 IU of Vitamin D2 and more than 80 mg of β -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.

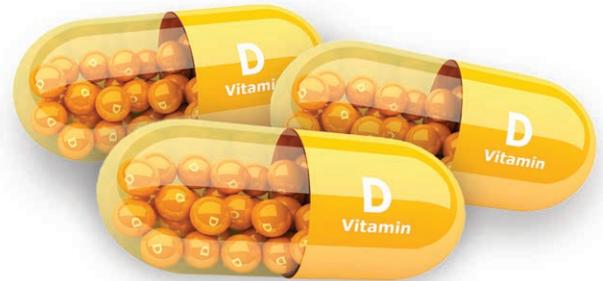
Selenium & Immunity⁽¹⁾: Selenium plays an important role in boosting cell-mediated immunity and helps protect against viral infections.

VITAMIN D YEAST IS BIOAVAILABLE IN HUMANS⁽²⁾

▶ **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⁽³⁾:**

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.



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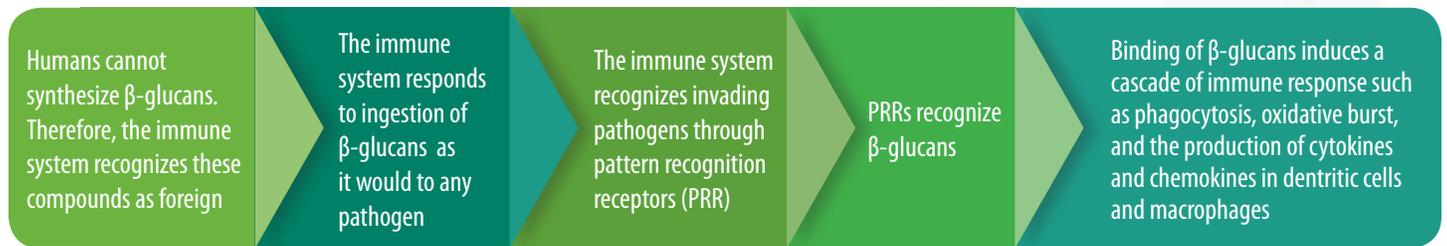
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GLUCANS 30 - CLINICALLY PROVEN IMMUNE SUPPORT

GLUCANS-30 is a natural cell wall fraction of *Saccharomyces cerevisiae* containing elevated levels of β -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.⁽⁴⁾

Beta-glucans can reduce how often you catch a cold⁽⁵⁾, significantly decrease the severity of symptoms in upper respiratory tract infections⁽⁶⁾, and reduce the effects of increased stress⁽⁷⁾, 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:

Antioxidant	Selenium contributes to the protection of cell constituents from oxidative damage
Immunity	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

