

Activate Your Immune System's Commander-in-Chief Broad-range Immune Support

\$5.2 Billion

Immune Health Dietary Supplement Market¹

Top 3

reasons for purchasing supplements¹

81% of consumers worldwide

plan to maintain a healthier lifestyle in the future²

In 2021 brand manufacturers are looking to connect immune health to improved overall health and meet consumer demand with innovative ingredients.¹

Immune Health
Overall Health

11 Human Trials

2 Safety Studies

26 Published Papers

The IMMUSE® Advantage

IMMUSE® is the first paraprobiotic that has been clinically researched to directly activate plasmacytoid dendritic cells (pDC), a rare subset of immune cells, to provide comprehensive innate and adaptive immune support.*

What are paraprobiotics?

Paraprobiotics are defined as dead bacteria or dead probiotics with health benefits beyond those of live probiotics.

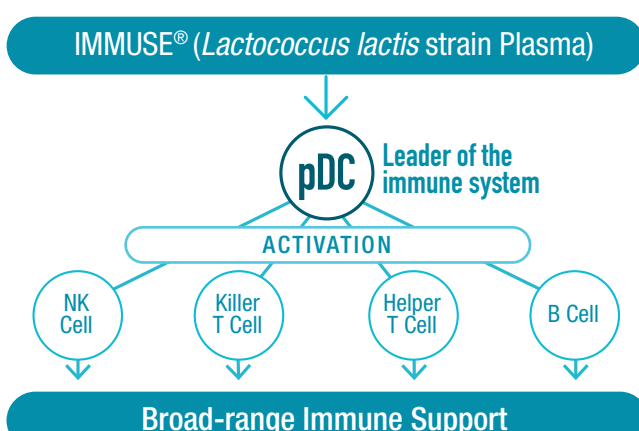
- ◆ No viability issues
- ◆ More stable & heat resistant
- ◆ Easy-to-formulate with vs. probiotics



Leader of the Immune System

pDCs have been described as the commander-in-chief or leader of the immune system, since they activate enzymes and the “right” immune cells known to proactively support the immune system.

By activating pDC, IMMUSE® broadly activates your body's defense system.*



Recommended Dose & Claims

- IMMUSE® activates pDCs (plasmacytoid dendritic cells)*
- IMMUSE® for clinically researched immune support*
- IMMUSE® activates the immune system*
- IMMUSE® supports healthy days*
- IMMUSE® provides immune support during high-intensity training*

Suggested Dose:
50mg/day (100 billion cells)

IMMUSE® Formulation Benefits

- Patented | GRAS | Vegetarian | Allergen-free | Non-GMO
- Can be formulated into RTD Beverages, Capsules, Tablets, and Food



Capsules



Tablets



Food & Beverage

Activate broad-range immune support with IMMUSE®

Visit [Kyowa.eu](https://www.kyowa.eu) to Learn More

References

¹ Nutrition Business Journal, Special Immune Report, September 2020.

² FMCG Gurus 'Consumer are Adopting a Functional Lifestyle in the Wake of COVID-19?', July 2020.

³ Tina Kaczor, ND, FABNO. Innovative Ingredients to Improve Immunity in Clinical Practice. *Natural Medicine Journal Research Guide*. 2020.



For more information about IMMUSE® contact:

Kyowa Hakko Europe GmbH
Am Wehrhahn 50
40211 Düsseldorf
Germany

+49 211 175 450
bio-chemicals@kyowa.de

Kyowa Hakko Bio Italia S.r.l.
Viale Piero e Alberto Pirelli 6
20126 Milano
Italy

+39 02 367 069 01
finechemicals@kyowa.it

www.immusehealth.com

*This information is only intended for business-to-business use. It must not be passed to the final consumer of your products. The information contained herein is based on our current knowledge and contains scientific, quality and technical information to help our trade customers understand more about our ingredients and the science behind them. The statements have not been approved by the European Food Safety Authority or the European Commission. It is your responsibility to comply with all relevant EU and national law when issuing commercial communications about your finished products.

Copyright © 2021 Kyowa Hakko Europe GmbH
All Rights Reserved.
IMMUSE® is a registered trademark of Kirin Holdings Co., Ltd.