

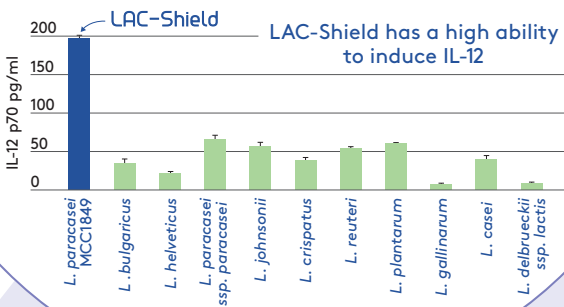
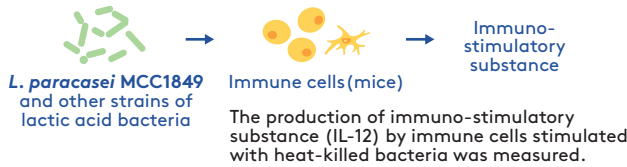


LAC-Shield™

Heat-killed *Lactobacillus paracasei* MCC1849

Ingredient in action

LAC-Shield was selected from the several thousand bacterial strains stocked by Morinaga Milk Industry Co., Ltd. It stands out from the crowds with its highest capacity to induce the production of interleukin-12 (IL-12) – a potent activator of innate and adaptive immunity.



Endless Opportunities

LAC-Shield is heat tolerant and highly stable to pH and other conditions, making it easy to work with and incorporate into supplements, and even into a wide range of foods and beverages.

LAC-Shield has no stability issues in:

- ✓ Harsh manufacturing conditions
- ✓ Long product shelf life
- ✓ Gastrointestinal transit



Key features

- Clinically proven immune-enhancing activity
- Easy-to-formulate
- Self-Affirmed GRAS status
- HALAL, Kosher

What's in its name

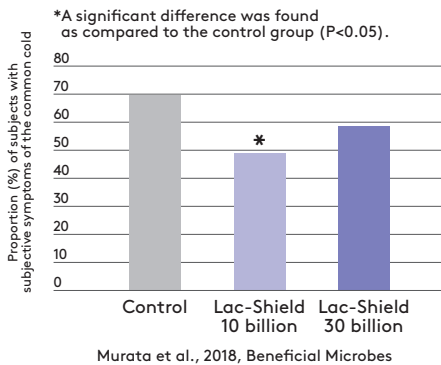
LAC-Shield is a heat-killed strain of beneficial lactic acid bacteria with a clinically backed immuno-modulatory effect.

LAC-Shield was named for its unique immunological function serving as a "shield" to protect the human body against invading enemies.

Used by **450+** companies in **1,000+** types of products in Japan

Prevention of Common Cold

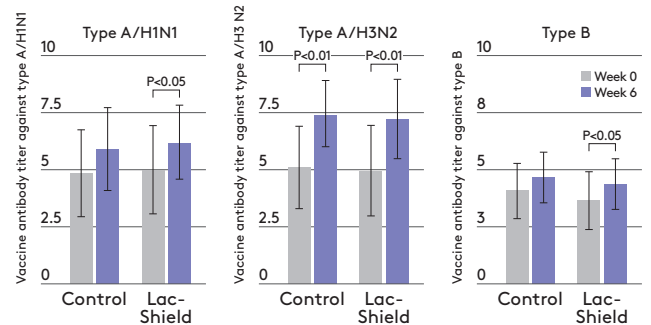
Analysis of data from a population of individuals who experienced the common cold



Intake of LAC-Shield noting its action to enhance immunity was shown to suppress the onset of subjective symptom and duration of common cold.

Enhancement of the immune response of influenza vaccine

Comparisons of influenza vaccine antibody production between elderly subjects (≥85 years) who consumed LAC-Shield (10 billion CFU) and those who did not.



The antibody titers against influenza antigens were significantly increased in the vaccinated elderly who had taken LAC-Shield.

These statements have not been evaluated by the food and drug administration. This product is not intended to diagnose, treat, cure, or prevent any disease.