

New *Lactobacillus* strain that enhance immune activity

Protect human and animals from viruses by Immunobiotics

Overview

Rotavirus is a major cause of acute enteritis in infants and young livestock. It kills 500,000 people per year, mainly in developing countries, and also causes enormous economic losses to livestock production.

Inventors focus on immunobiotics and found that new *Ligilactobacillus* and *Lactiplantibacillus* strains enhance anti-viral immune activity.

- Isolation of several anti-virus immune-enhancing *Ligilactobacillus* and *Lactiplantibacillus* strains from the small intestine of Wakame-fed pigs.
- These strains are deposited in NITE in Japan.

Product Application

- Animal Feeds
- Health functional foods

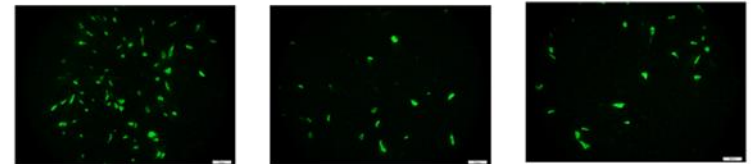
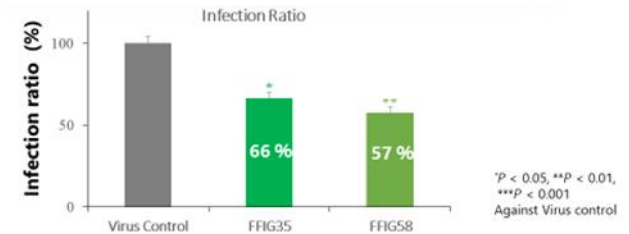
IP Data

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Features・Outstandings

Immunobiotics decreases infection ratio of Rotaviruses



Rotavirus-infected cells FFIG35 pre-stimulus FFIG58 pre-stimulus

Related Works

- [1] Frontiers in Immunology 12:652923, 1-22 (2021).
- [2] Microorganisms, 8:1659, 1-30 (2020).
- [3] Animal Science Journal, 90, 1248–1260 (2019).

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