glac Biotech Co., Ltd.

100% NATURAL

GMO FREE

GLUTEN FREE

# Totipro®

## Postbiotics PE0301

Next Generation of Upper GI tract

**Postbiotic Blend:**

*Lactobacillus salivarius* AP-32

*Lactobacillus plantarum* LPL28

*Lactobacillus paracasei* ET-66

FINALIST NUTRA INGREDIENTS AWARDS 2025 PE0301

FINALIST NUTRA INGREDIENTS AWARDS 2024 PE0301

### MARKET INSIGHT

- Nearly half of the world's population, consisting of 45% or 3.5 billion people, are affected by oral diseases. 【WHO, 2022】
- Gastrointestinal (GI) diseases are more prevalent among individuals aged 65 and above.【Igor *et al.*, 2019】

## Dual-Action Digestive & Oral Support

- In a randomized study, PE0301 postbiotic lozenges strengthened the mouth's first line of defense by increasing salivary IgA,encouraged higher counts of beneficial Lactobacillus and Bifidobacterium while helping keep plaque in check, and left users reporting fresher breath and a calmer stomach versus placebo
- Laboratory data show the same postbiotic mix helps keep common oral troublemakers (*S. mutans, P. gingivalis* and other acid-producing species) under control, supporting a comfortable upper-GI environment and less day-to-day reflux irritation.
- SCI publication:

Lin, C. W., Y. T. Chen, H. H. Ho, Y. W. Kuo, W. Y. Lin, J. F. Chen, J. H. Lin, C. R. Liu, C. H. Lin, Y. T. Yeh, C. W. Chen, Y. F. Huang, C. H. Hsu, P. S. Hsieh and S. F. Yang (2022). "Impact of the food grade heat-killed probiotic and postbiotic oral lozenges in oral hygiene." Aging (Albany NY) 14(5): 2221-2238.

## Product Information

- Specification: Lactic acid > 5 g/100g, Cell Counts ≥ 1.0 x $10^7$ cells/g (Inanimate)
- Daily dosage：150mg
- Shelf life：3 years
- Storage : Store at room temperature, away from sunlight and moisture.

## Dosage form

CAPSULES | STICKS/SACHETS | F & B | TABLETS/LOZENGES | GUMMIES | ORAL CARE PRODUCTS

Patented P-Coretex Technology Essence 1

Balances the Oral Microbiome 2

Supports Gastric Health 3

NATIONAL PATENT

SCIENCE BACKED RESEARCH

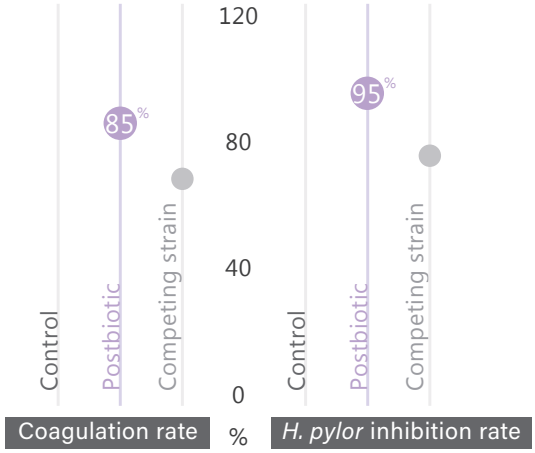
EFFICACY DOSAGE

## Clinical Study

The PE0301 heat-stable postbiotic lozenge significantly curbed growth of cavity-causing oral bacteria and lifted protective salivary IgA—the mouth's first-line immune shield.

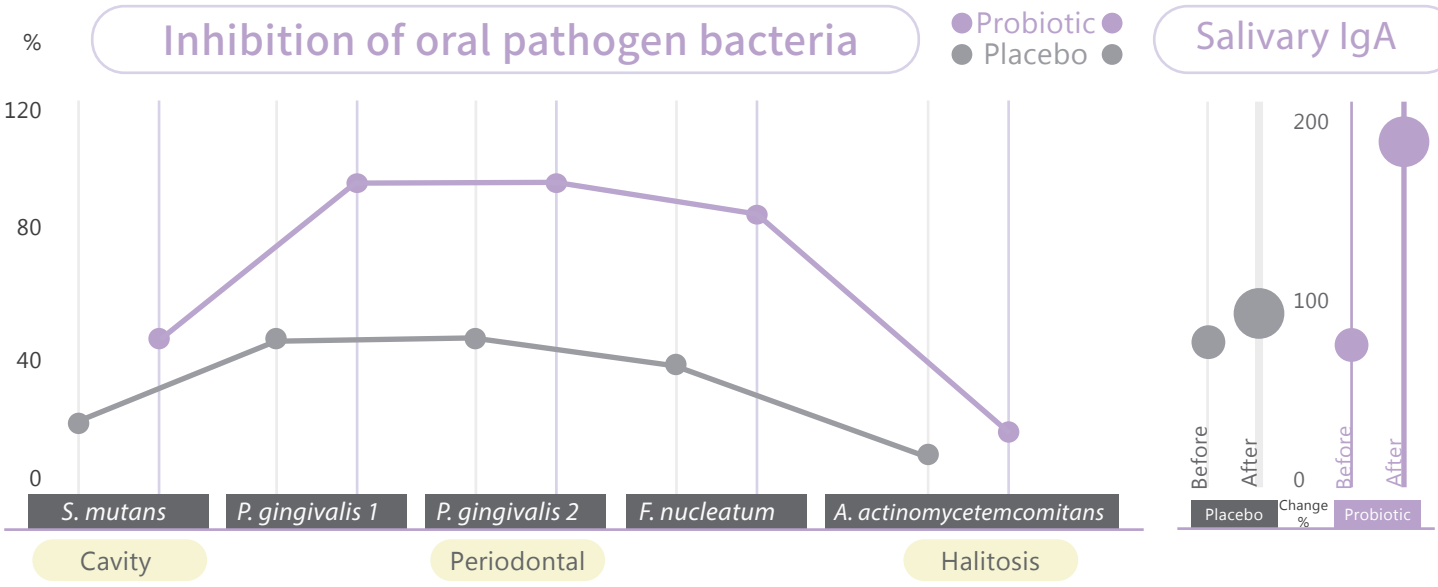
## A

**PE0301:**
Helps Maintain Gastric Balance
through Natural H. pylori Co-Aggregation




## B

**PE0301:** Clinically researched support for oral health & mouth immunity




## PE0301 Source Strains

- LPL28 — *L. plantarum*
- AP-32 — *L. salivarius*
- ET-66 — *L. paracasei*

## Recommended For

- ✓ Bad Oral Hygiene
- ✓ Imbalanced Microbiota
- ✓ Stomach Discomfort


glac Biotech Co., Ltd.

**Expert In Probiotics and Postbiotics Integrated Solution**

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