



glac
Biotech Co., Ltd.

▶ **EXPERT IN PROBIOTIC
INTEGRATED SOLUTIONS**





Glac Biotech is the most innovative and leading probiotic and postbiotic company in Taiwan. With our passion and expertise, we have dedicated ourselves to developing, manufacturing and marketing clinically proven probiotics and postbiotics for more than a decade for specific health solutions to fit unmet needs.



FROM SCIENCE TO HEALTH

93⁺

Scientific Papers

124⁺

Worldwide patents

1978⁺

The number of subjects in the clinical studies

▶ Manufacturing Plants



▶ International Manufacturing Certificates



▶ Members of the Organization





PROBIOTICS

Single Strain Probiotics

- ▶ **High Bioactivity**

▶ **Gastric acid & Bile Acid Tolerance**
- ▶ **Strong Colonization Ability**

▶ **Patented Micro-encapsulation Technology**

GLAC SIGNATURE PROBIOTIC STRAINS



Immune Balance	Feminine Care	Weight Management	Intestinal Health	Allergy Relief	Oral Health
<i>L. rhamnosus</i> MP108	<i>L. rhamnosus</i> F-1	<i>B.animalis</i> subsp. <i>L.actis</i> CP-9	<i>L. plantarum</i> LPL28	<i>L.paracasei</i> MP137	<i>L. paracasei</i> ET-66

Single Strain Probiotics List

Strain Scientific Name	Product Name	Patented Functionality
<i>Bifidobacterium longum</i> subsp. <i>Infantis</i>	BLI-02	Kidney Health Intestinal health
<i>Bifidobacterium animalis</i> subsp. <i>lactis</i>	CP-9	Weight Management Alleviate Skin Inflammation
<i>Bifidobacterium animalis</i> subsp. <i>Lactis</i>	BB-115	Repair of Intestinal Mucosa (Patent In Progress)
<i>Lactobacillus rhamnosus</i>	F-1	Feminine Care Oral Health
<i>Lactobacillus rhamnosus</i>	MP108	Immune Balance Intestinal Health
<i>Lactobacillus rhamnosus</i>	bv-77	Weight Managemnet
<i>Lactobacillus rhamnosus</i>	CT-53	Feminine Care Oral Care
<i>Lactobacillus reuteri</i>	GL-104	Allergy Relief,Oral Health Blood Glucose Control
<i>Lactobacillus acidophilus</i>	TYCA06	Kidney Health,Intestinal Health Blood Glucose Control Reduce Skin Inflammation
<i>Lactobacillus casei</i>	CCFM 1074	Rheumatoid Arthritis Care
<i>Lactobacillus casei</i>	CCFM 2711	Antibiotic Modulation
<i>Lactobacillus paracasei</i>	MP137	Immune Balance Intestinal Health
<i>Lactobacillus paracasei</i>	ET-66	Oral Health
<i>Lactobacillus paracasei</i>	GL-156	Oral Health
<i>Lactobacillus plantarum</i>	LPL28	Intestinal Health
<i>Lactobacillus plantarum</i>	TSP05	Uric Acid Management (Patent In Progress) Liver Care (Patent In Progress)
<i>Lactobacillus fermentum</i>	TSF331	Uric Acid Management (Patent In Progress) Liver Care (Patent In Progress)
<i>Lactococcus Lactis</i>	LY-66	Weight Management & Sports Performance Booster (Patent In Progress)
<i>Lactobacillus plantarum</i>	PL-02	Weight Management & Sports Performance Booster (Patent In Progress) Anti-aging (Patent In Progress)



PROBIOTICS

 **PRONULIFE®**

*Clinically Proven Probiotic Blends
Promising a New Life*

**PRONULIFE® functional probiotic series origin from healthy human microbiome, with nearly two thousands of subjects in clinical studies.
Each strain with high biological activity supports unique benefits.**

Natural Origin

Precise Research

Large Scale Clinical Tests

Worldwide Patents & Papers

Strains origin from breast milk, human intestines and vagina, Kimchi, and Miso

PRONULIFE® series Conducted by science-based protocols to ensure the precise clinical efficacy.

40+ Clinical Test Verified
100+ Industry-Academy Cooperation
2000+ numbers of subjects participated

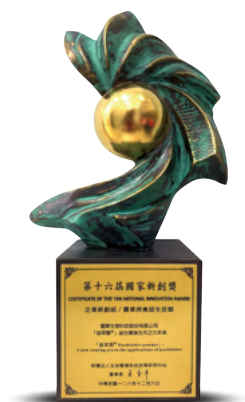
15+ Innovative patents approved.
41+ Research papers published.

Category	Product Name	Fuctionality	Probiotics Blends
Digestive Health	IP0301	Intestine Health	<i>Lactobacillus rhamnosus</i> MP108* <i>Bifidobacterium animalis</i> subsp. <i>Lactis</i> BB-115 <i>Bifidobacterium longum</i> subsp. <i>Infantis</i> BLI-02
	GasProtect	Gastric Health	<i>Lactobacillus salivarius</i> AP-32 <i>Lactobacillus rhamnosus</i> F-1 <i>Lactobacillus plantarum</i> LPL28
	GasProtect-M	Gastric Health	<i>Lactobacillus johnsonii</i> MH-68 <i>Lactobacillus salivarius</i> AP-32 <i>Lactobacillus rhamnosus</i> F-1 <i>Lactobacillus acidophilus</i> TYCA06
Immunity & Allergy Modulation	NosRelieve	Prevention for Baby	<i>Lactobacillus paracasei</i> GL-156 <i>Lactobacillus reuteri</i> GL-104 <i>Lactobacillus rhamnosus</i> MP108*
	BabyAllieve	Nasal Allergy Relief	<i>Lactobacillus reuteri</i> GL-104 <i>Lactobacillus paracasei</i> MP137* <i>Lactobacillus rhamnosus</i> MP108* <i>Lactobacillus rhamnosus</i> F-1
Urogenital Health	VagProtect	Feminine Care	<i>Lactobacillus salivarius</i> AP-32 <i>Lactobacillus rhamnosus</i> F-1 <i>Lactobacillus rhamnosus</i> CT-53 <i>Lactobacillusreuteri</i> TE-33
Oral Health	OraProtect	Oral Health (Living Bacteria)	<i>Bifidobacterium animalis</i> subsp. <i>Lactis</i> CP-9 <i>Lactobacillus paracasei</i> ET-66 <i>Lactobacillus salivarius</i> AP-32
	OraProtect-L	Oral Health (Living Bacteria)	<i>Lactobacillus plantarum</i> LPL28 <i>Lactobacillus paracasei</i> ET-66 <i>Lactobacillus salivarius</i> AP-32
	OraProtect Plus	Oral Health (Heat-Killed Bacteria)	<i>HKT Lactobacillus salivarius</i> AP-32 <i>HKT Lactobacillus paracasei</i> ET-66
Metabolism	RenaProtect	Retard Kidney Function Failure	<i>Lactobacillus acidophilus</i> TYCA06 <i>Bifidobacterium longum</i> subsp. <i>Infantis</i> BLI-02 <i>Bifidobacterium bifidum</i> VDD088
	FitStay	Weight Management	<i>Bifidobacterium animalis</i> subsp. <i>Lactis</i> CP-9 <i>Lactobacillus rhamnosus</i> bv-77
	UriManage	Uric Acid Management	<i>Lactobacillus reuteri</i> TSR332 <i>Lactobacillus fermentum</i> TSF331 <i>Lactobacillus plantarum</i> TSP05
	LivProtect	Reduce Liver Inflammation	<i>Lactobacillus reuteri</i> TSR332 <i>Lactobacillus fermentum</i> TSF331 <i>Lactobacillus plantarum</i> TSP05
	GlucoCtrl	Blood Glucose Control	<i>Lactobacillus johnsonii</i> MH-68 <i>Lactobacillus salivarius</i> AP-32 <i>Bifidobacterium animalis</i> subsp. <i>Lactis</i> CP-9
Functional Probiotics Mixture Powder	BE0301	Anti-fatigue & Muscle Building	<i>Lactobacillus plantarum</i> PL-02 <i>Lactococcus Lactis</i> LY-66 <i>Bifidobacteriumlongum</i> subsp. <i>Longum</i> OLP-01
	PF1001	Intestine Health	<i>Lactobacillus acidophilus</i> <i>Lactobacillus casei</i> <i>Lactobacillus plantarum</i> <i>Lactobacillus rhamnosus</i> <i>Lactobacillus paracasei</i> <i>Lactobacillus reuteri</i> <i>Bifidobacterium longum</i> <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> <i>Bifidobacterium breve</i> <i>Streptococcus thermophilus</i> *
	SA0301	Sleep aid and anti-depression	<i>Lactobacillus plantarum</i> LPL28 <i>Lactobacillus acidophilus</i> TYCA06 <i>Bifidobacterium breve</i> CCFM1025



POSTBIOTICS

Totipro[®]



★★ THE LEADING POSTBIOTIC ★★

► **Postbiotics: a emerging trend in functional foods**

Complex mixture of metabolic products secreted by probiotics.

• Thermostable • Nutrient-Rich • Bioactive Metabolites • Immune & Digestive System Improvement

P R O D U C T A P P L I C A T I O N S



Digestive Health



Skincare & Beauty Nutrition



Oral Health

Convenient for storage at room temperature and have wide range of product applications.

► **Totipro® Manufacturing Processes**

Totipro is derived from the fermentation of functional probiotics by our exclusively high density fermentation technologies and heat-killing treatment, HeaLAC.



► **Product List**

Category	Product Name	Type	Probiotics Blends	Patented Functionality
Intestine & Immunity Health	TOTIPRO® Postbiotics	PE0401	<i>L. plantarum</i> LPL28 <i>L. salivarius</i> AP-32 <i>B. longum</i> subsp. <i>Infantis</i> BLI-02 <i>L.acidophilus</i> TYCA06	Bowel Support Anti-Inflammation Gut Microbiota Regulation
Oral Health		PE0301	<i>L. plantarum</i> LPL28 <i>L. paracasei</i> ET-66 <i>L. salivarius</i> AP-32	Oral Health

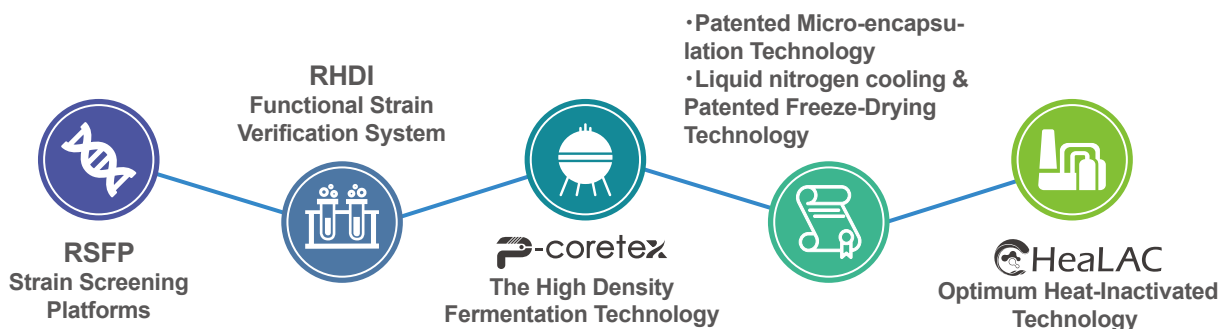


PRONEX™ × PRIMETEK™

★ ★ **EXPERT IN PROBIOTIC INTERGRADED SOLUTIONS** ★ ★

► **Core Technologies to Develop High Quality Functional Probiotics**

PRONEX™ Level Up Probiotics to the Next



► **PROFESSIONAL AND LEADING CDMO EXPERT IN PROBIOTICS PRIMETEK :**

PRIMETEK™ ONE STOP SERVICE FOR Contract Manufacturing

Promise

- Clinically proven probiotic strains and blends
- Customized formula design

Traceability

- Low Temperature, Low Pressure and Low Water Activity formulation
- Independent Air-Conditioning System
- High Efficient Multi-Lane Packing Machine
- Liquid Nitrogen Cooling System

Technology

- 65 check points throughout the whole production line.
- QA/QC Strict Quality Control

Sustainability

- Global Regulatory Support
- Providing Cross-Border e-commerce services between Taiwan and China
- Global Cold Chain Logistic Services
- Dedicated After-Sales services with the support from professional R&D team



▶ *EXPERT IN PROBIOTIC
INTEGRATED SOLUTIONS*

▶ SERVICE I
Ingredients

▶ SERVICE II
CDMO (ODM, OEM)



EXPERT IN PROBIOTIC INTEGRATED SOLUTIONS

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company/glac-biotech](https://www.linkedin.com/company/glac-biotech)