



Microbiome Science For Human Health
**Pioneering Innovative
Probiotic Solutions**



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COMPANY
INTRODUCTION

COMPLETE
PROBIOTICS SOLUTIONS

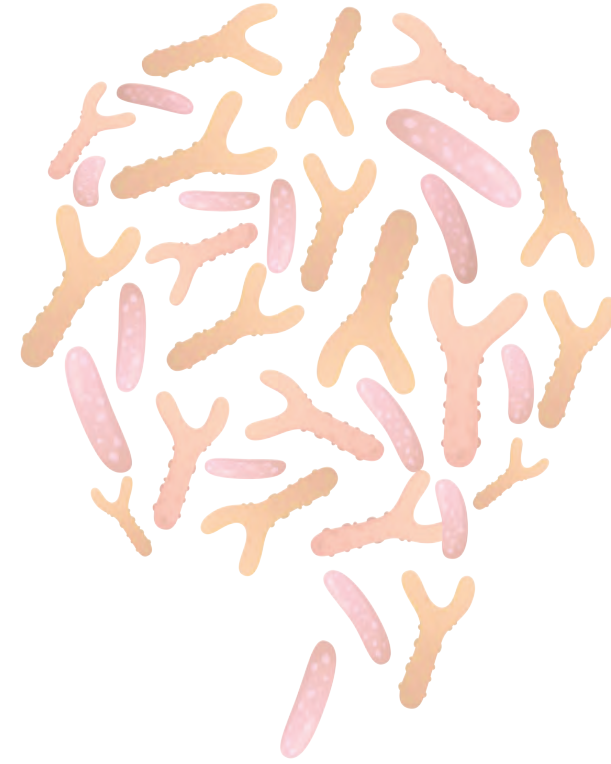


What are Probiotics?

Probiotics are live microorganisms which when administered in adequate amounts confer a healthy benefit to the host beyond inherent basic nutrition.

Probiotics (lactic acid bacteria) are active, living and beneficial bacteria which exist naturally in the intestinal system. They are of vital importance since

70% of the immune system is located in the intestines.



Health benefits of Probiotics

- Supports immune health ¹
- Balances out the adverse effects of antibiotics, restores the balance of gut bacteria after antibiotic use ²
- Maintains healthy complexion ³
- Enhances ability to digest food ⁴
- Increases nutrient absorption from food ⁵
- Encourages normal digestive health, including promoting normal bowel movements ⁶
- Plays a role in vitamin B production ⁷
- Heightens ability to absorb calcium ⁸

1. Maldonado Galdeano C, Cazorla SI, Lemme Dumit JM, Vélez E, Perdígón G. Beneficial Effects of Probiotic Consumption on the Immune System. *Ann Nutr Metab.* 2019;74(2):115-124.
 2. D'Souza Aloysius L., Rajkumar Chakravarthi, Cooke Jonathan, Bulpitt Christopher J. "Probiotics in prevention of antibiotic associated diarrhoea: meta-analysis." *BMJ* (2002): 324-1361.c
 3. Al-Ghazzawi, F.h., and R.f. Tester. "Impact of prebiotics and probiotics on skin health." *Beneficial Microbes* (2014): 99-107.
 4. Syngai, Gareth Gordon, et al. "Probiotics – the Versatile Functional Food Ingredients." *Journal of Food Science and Technology* (2016): 921–933.

5. Krajalnik-Brown, Rosa, Zehra-Esra Ilhan, Dae-Wook Kang, and John K. Dibaise. "Effects of Gut Microbes on Nutrient Absorption and Energy Regulation." *Nutrition in Clinical Practice* 27.2 (2012): 201-14.
 6. Sebastián domingo J.J. "Review of the role of probiotics in gastrointestinal diseases in adults." *Gastroenterol Hepatol.* 2017 Jun – Jul; 40(6):417-429
 7. LeBlanc JG, Laiño JE, del Valle MJ, et al. B-group vitamin production by lactic acid bacteria—current knowledge and potential applications. *J Appl Microbiol.* 2011;111(6):1297-1309.
 8. Parvaneh, K., Jamaluddin, R., Karimi, G., & Erfani, R. Effect of probiotics supplementation on bone mineral content and bone mass density. *TheScientificWorldJournal* (2014); 2014:595962.

What is Microbiome?

Ecologists use the term "biome" to describe the collection of plants and animals that live in a particular environment. When microbiome is used in this sense, it refers to the ecosystem made up of microbes within and on the human body

that is, the collection of microbes that live in the human "habitat."

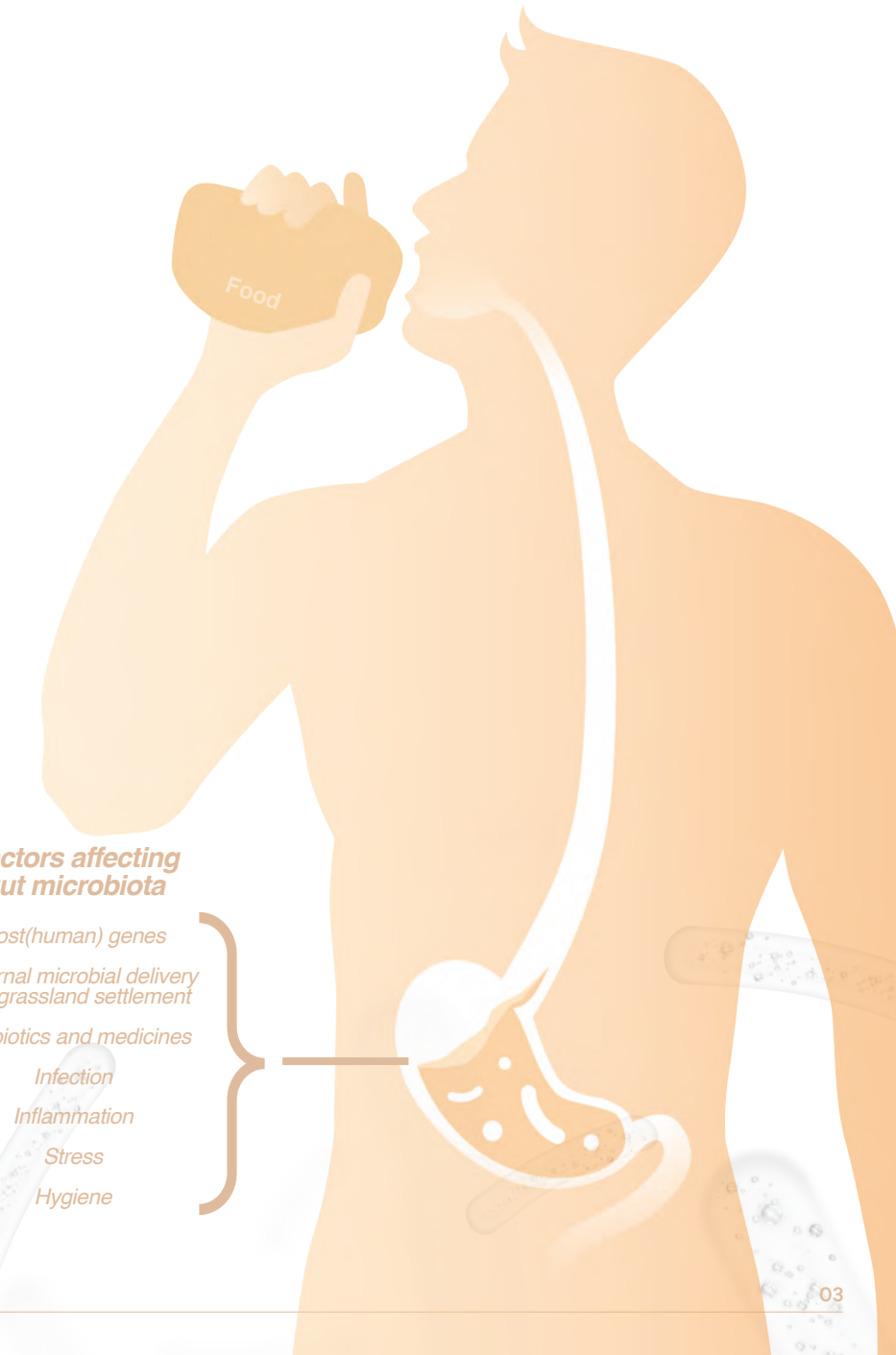
Importance of Microbiome

To maintain a healthy body, it is important to keep a balance between beneficial bacteria and harmful bacteria in the intestine. Microbiome is gaining public attention as research has shown various correlation between symbiotic microorganism and human health and disease.

Consuming microbes can change your GI microbiota. Fermented foods like yogurt, cheese, and sauerkraut actually contain microbes that are similar to those found in your GI tract.

There are also supplements that are made up solely of microbes, called "probiotics."

*Source: Ann Reid, Shannon Greene. 2014. *Faq: human microbiome.* American Academy of Microbiology



COMPANY In Brief

Microbiome Science
For Human Health

Pioneering Innovative
Probiotic Solutions



Cell Biotech Co., Ltd is an expert laboratory specialized in research, development and marketing of innovative probiotic solutions to meet rapidly growing consumer demands in the global market. Since its foundation by microbiologists in 1995, we have over 2 decades of experience in the pharmaceutical industry and are ready to provide a full service to our partners with personalized, innovative, scientifically documented probiotic solutions that meet the expectations of consumers around the world. Now, our probiotics products are leader in Korea and Singapore, second biggest market share in Denmark and also present in more than 40 countries around the world.



| | |
|----------------------------|---|
| Company Name | Cell Biotech Co., Ltd |
| Type | Public Limited Company KOSDAQ Listed Company |
| Founded | 1995s |
| Headquarters | Gimpo, South Korea |
| Number of employees | 300 |
| Market Position | No. 1 Korean Probiotics Exporter 2021 No. 2 in Demark OTC Probiotics Market 2021 ETC's Leading Probiotics Brand in Singapore 2021 |
| Business Area | Probiotics Brand Business Probiotics Raw material Business Probiotic Cosmetic Business Colorectal Cancer Treatment Development |
| Subsidiaries | Cell Biotech International Korea Cell Biotech International A/S Denmark Cell Biotech France |

We Offer

Customized
Probiotics
Solutions

Probiotics
Raw Material

Probiotics
Finished
Product

From Strain
To Finished
Product

A variety of flavors,
packings, dosage forms.

QA & RA

Technical
Dossiers

In-vivo, in-vitro studies

Research
Collaboration

Sales &
Marketing
Support

Training &
Education

We have many experiences
in educational or academic
seminars for healthcare
professionals, KOLs and
sales forces.

Experienced And Trusted Partner For Success

Cell Biotech is your reliable partner in innovative probiotic solutions and our dedicated teams are ready to offer the support, experience and expertise.



Raw Material

Single Strain & Premix Powders



Strains can be supplied as single strain and premix powders

We offer a broad strain selection to meet your specific needs.

High stability strains – It's our guarantee

Our unique coating technology protects our strains from production process to the journey through digestive tract.

From start to finish : State-of-the-art manufacturing

Single and premix products manufactured in our state-of-the-art factories certified by the highest quality standards.

LAB2PRO™

Tailored Formula For Your Brand



We Offer A Diversified Product Range To Meet The Needs Of Our Partners

The diamond, strong and durable, illustrates the power that our technology system offers to protect valuable probiotic strains in the core.

All Cell Biotech probiotics including single strain, premix powders and finished concepts, are branded LAB2PRO™ to guarantee the uniqueness and high quality delivered.

Customized Probiotics Solutions For Private Label

We manufacture unique probiotics product depending on customer's needs. We are ready to offer a wide range of probiotics dosage format, packing options, color and flavors for your choice.

DUOLAC®

Our Probiotics Brand

PROBIOTICS
DUOLAC®



Global Premium Probiotics Brand

DUOLAC® name references the phrases “Dual Coated” and “Lactic acid bacteria”. DUOLAC® is a premium probiotics brand which utilizes state-of-the-art-technology to ensure the survival of probiotics against stomach acid and bile acid, thus enabling the healthy bacteria to safely reach to the intestines.

Highly Recommended by Clinical Experts and Pharmacists

This is attributable to the excellent quality of DUOLAC® probiotics, which are developed through advanced technology and its extensively tested efficacy. DUOLAC® continues to provide professional seminars about probiotics to the global pharmacists and doctors.

LACTOClear™

Probiotics Cosmetic

LACTOClear™



Microbiome Skincare Powered by Probiotics

We developed clinically safe and efficient **LactoPad™**, which is our own signature ingredient derived from *Enterococcus faecalis* CBT-SL5. LactoPad™ has bacteriocin peptide that can shift the microbial ecology of your skin. This shift can form a skin microbiome that is healthy enough to protect the skin from pathogens and promote the function of the skin.

We believe in working with your microbiome can help you have a healthy balanced skin. Our products contain patented peptide derived from our unique probiotic strain to nourish and support the good bacteria that make your own personal ecosystem.

Global Presence

Cell Biotech is Korean leading probiotics company

exporting to forty countries around the world and managing four brand businesses in South Korea, Denmark, France and Singapore. We have established partnerships with multinational companies and local retailers to distribute our products. With over two decades of probiotics business experience, we have localized our products to meet the needs of diverse cultures, ethnicities, regions, and climates.



Denmark



No.2 Probiotics Brand in Denmark

Successfully launched in Denmark in 2014, DUOLAC is sold through pharmacies and enjoys the second largest share in the Danish pharmacy market.

*DLiMi Data, 2021



France



DUOLAC Enters the French Market

Following its success in Denmark, DUOLAC was launched in the France market in 2019. Now our products are available in local pharmacies and online shops.



Korea



No.1 Probiotics Brand in Korea

First launched in 2005, DUOLAC Korea has an extensive range of probiotics products, which are widely available in pharmacies, hospitals, and online shops.

*Korea Dietary Supplement Report, 2016



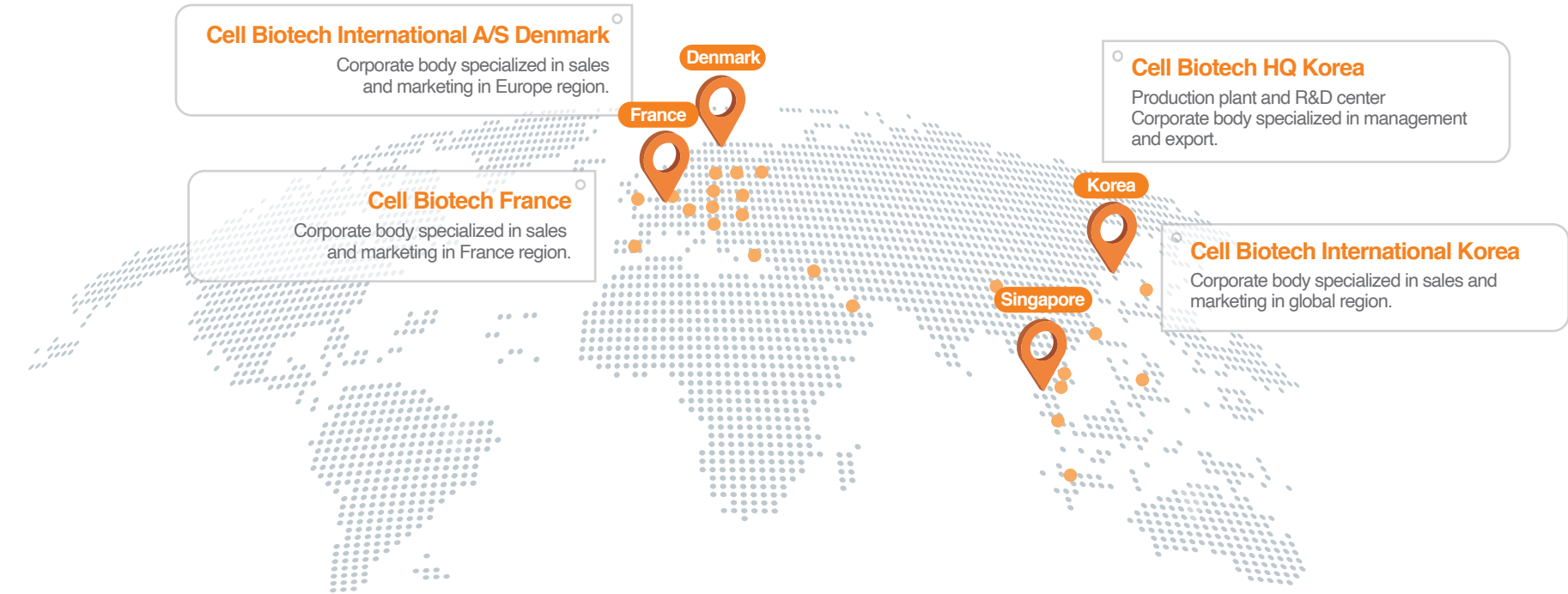
Singapore



ETC's Leading Probiotics Brand in Singapore

Launched in 2014, DUOLAC Singapore has become the preferred choice of specialists and ETC's leading probiotics brand, which are available in clinics, pharmacies and online shops.

* IMS Data, 2021



Exported Around The World

Europe

- Denmark
- France
- Italy
- Turkey
- Germany
- Spain
- Israel
- Romania
- U.K.
- Croatia
- Czech Republic
- Russia
- Finland
- Sweden
- Switzerland
- Netherlands
- Slovakia
- Belgium
- Latvia
- Poland
- Austria
- Hungary
- Bulgaria

Asia

- South Korea
- Singapore
- China
- Hong Kong
- Taiwan
- Japan
- Malaysia
- Indonesia
- Kazakhstan
- Mongolia
- Vietnam
- Thailand
- Philippines
- Myanmar
- Cambodia

America

- United States
- Mexico
- Columbia

Australia

R&D Center

For a Healthy Microbiome of Human Around the World

Our microbiological specialists and a professional probiotics research facility support our professional laboratory work. Our microbiologists mainly study the medical probiotics, bacteriocin and the natural antibacterial substance and are expanding the range of application which are health functional foods, bio-cosmetics and bio-medicine.

Global R&D Capabilities, All Experts in Microbiology

DUOLAC has established a future-oriented R&D infrastructure, actively conducting joint research projects with overseas institutions. In addition, Cell Biotech continuously pursues the globalization of R&D competitiveness and research capabilities through the expansion of our R&D pipeline, the development of biopharmaceuticals, and the introduction of next-generation sequencing technologies.



Outstanding Academic Achievements **181**

PATENTS **81**

CLINICAL TRIALS **28**

PUBLISHED PAPERS **100**

WHOLE GENOME SEQUENCING PAPERS **7**

Lorem ipsum

Microbiome Research

Our researchers identify the correlation between human health and microbiome and focus on the research of microbiome and probiotics. Through **Next Generation Sequencing**, our microbiologists conduct various studies and microbiome research. Unlike PCR analysis, this state-of-the-art technology allows us to identify all colonies in feces, vagina, skin and oral. Furthermore, **our unique strain formulations are based on the knowledge of each strains' genetic functionality**.



Whole Genome Sequencing

Identification of core and specific genes at the strain level

Gut Microbiome

Identification of intestinal microorganisms through the collected data

Comparative Genomics

Identification of unique genes in each strain

Discovery of Natural Bioactive Substances

A bacteriocin derived from probiotics

Development of Scientifically Proved Probiotics Formula

Unique strain formulation based on the genomic research

Establish Strain Library

Build up the database for each strain based on genomic research

Fields of Research

Strain Managements



- Develop, manufacture, and manage strains
- Establish strain library - Cell Bank System operation
- Optimize each strain and improve production process
- Establishing the optimal culture conditions and analysis of the basic bacterial function.

Microbial Technology



- Basic research on microorganisms
- Foundation of the activated protein expression system
- Developing a drug delivery system using a lactic acid bacteria
- Developing a lactic acid bacteria strain using genetic recombination

Clinical / Non-Clinical



- Efficacy evaluation of anti-cancer candidates on cancer models
- Establishment of a database for each effective strain
- Clinical trials of the company's strains, formulas, and products
- Efficacy analysis of each clinical trials

Microbiome – NGS technology



- Prediction of the safety and function of each strain using NGS platform
- Analysis of the probiotic effect by comparing gut microbiome before and after consuming the probiotics
- Research on LACTO PAD™ bacteriocin for skin microbiome

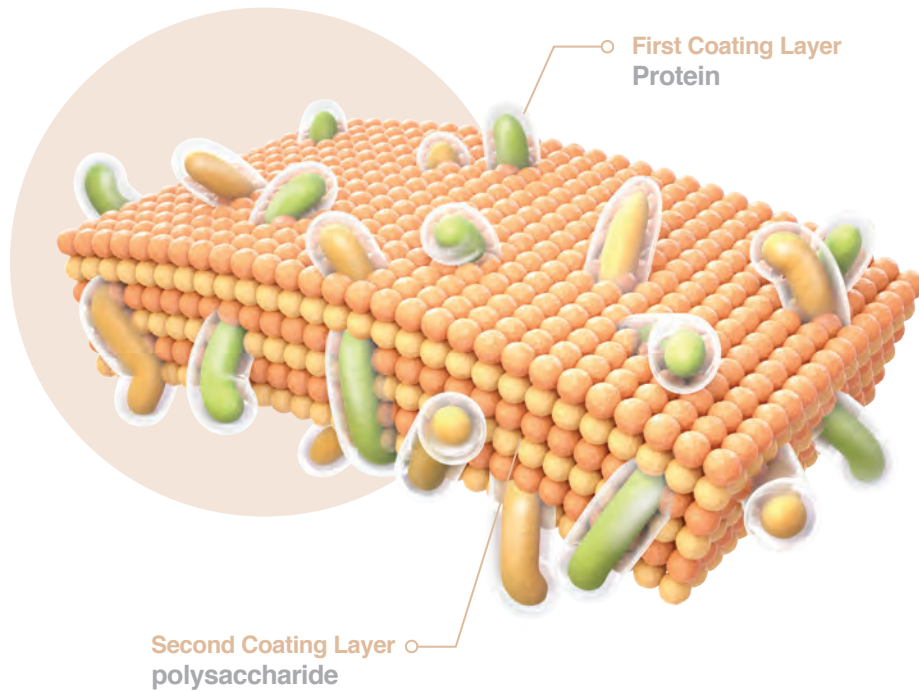
Pharmabiotics (Anti-Colorectal Cancer Proteins)



- Isolation and purification of anti-colorectal candidates
- Production and analysis of recombinant proteins
- Efficacy assessment and analysis of the mechanism of action of the candidates
- Acquire and analyze cellular image through HCS equipment

Our Probiotic Expertise _01

Strong Stability Strain



Probiotics coating technology has patents across the world, including Korea, USA, Europe, China and Japan. This global patents allow us to export to more than 40 countries all over the world.

Clinically Proven Superior Colonization and Proliferation

Our Worldwide Patented Coating Technology ensures a **100 times higher survival rate of probiotics*** in the intestine compared to uncoated ones.

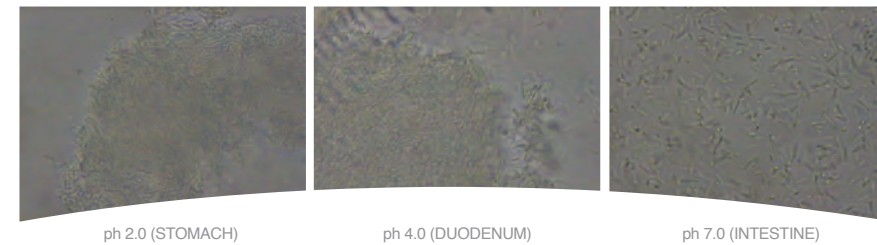
*Resource: Archives of Pharmacal Research, July 2015, Volume 38, Issue 1, pp 1345-1350

Why Is This Important?

Lactic acid bacteria are sensitive to environmental exposure, and their viability is easily affected during processing, storage and ingestion.

More than 90% of good bacteria are orally consumed but they are killed by gastric acid and bile salt.

How Does It Work?



Combined interactions of iso-electric point of peptide/protein coating matrix and beta linkage of polysaccharide matrix ensure the our dual coated probiotics are protected from the acidic pH environment of the stomach and hence safely delivered to the intestines to colonize, proliferate and exert its beneficial effects.

Our Probiotic Expertise _02

Safety Proven Strains



Human Origin Strains

Derived From Breast Fed Infant And Mother's Milk

In our R&D center, all strains are carefully developed and isolated from healthy human and Korean fermented food which have high resistance to spices and propolis.



Well - Documented Strains

Clinical & Non-Clinical Test

A total of 181 of published papers including clinical papers and genome sequencing papers proved the efficacy and discovered the characteristics of the strains.



Strain Deposit at Certified Institutions

To ensure the safety of commercial probiotic strains, each strain is deposited in domestic and overseas microorganism collections, namely KCTC, DSMZ.



All our probiotics strains received a unique strain number and are securely stored and managed in authorized institutions in South Korea and Germany. In addition, the whole genetic information of the strains are enlisted to the NCBI.



Precise Internal Test

Full Genome Sequencing (NGS)

We predict the function of each strain using cutting edge NGS technology.

16S rRNA Sequence Analysis

This is an accurate strain identification process using genetic analysis technology.

Antibiotic Resistance Test

The test conducted fully satisfies European Food Safety Authority standards (EFSA criteria).

Toxicity Assessment

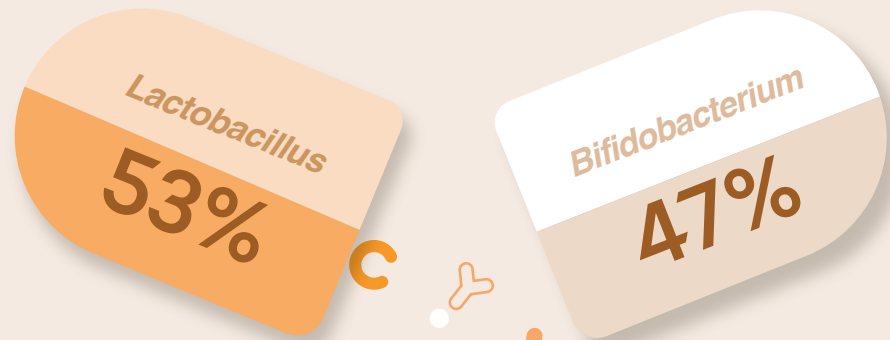
All DUOLAC strains are tested and confirmed as non-toxic and safe for commercialization.

Physiological Function Test

Animal testing is used to identify various physiological functions of the strains.

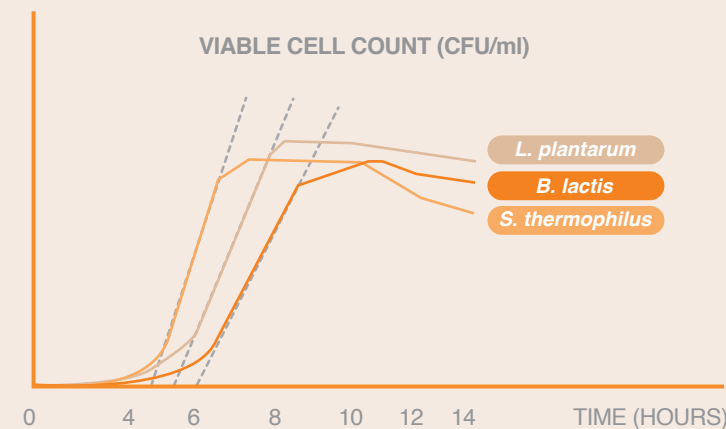
Our Probiotic Expertise _03

Formulation Technology Backed by Science



3 - Genus Technology

Through our knowledge of fermentation and strain proliferation, we have created 3-genus technology, a synergistic probiotics formation which allows strains to grow harmoniously in the intestines. We use our specialist know-how on strain proliferation, and thus we are able to create an unprecedented synergy effect among our probiotic strains.

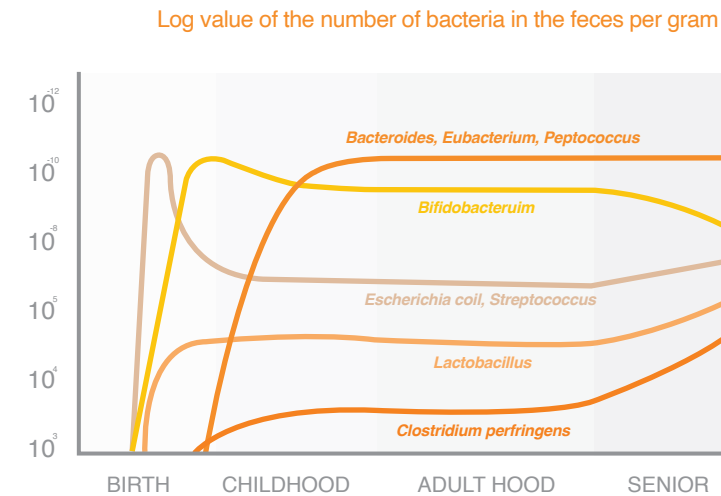


They Are Live Microorganisms

Our probiotic products are developed through a technically complex and methodical scientific process. All Cell Biotech probiotics formulas are developed by microbiological experts with consideration of the gut environment as well as the different growth rate of the each strain's genus.

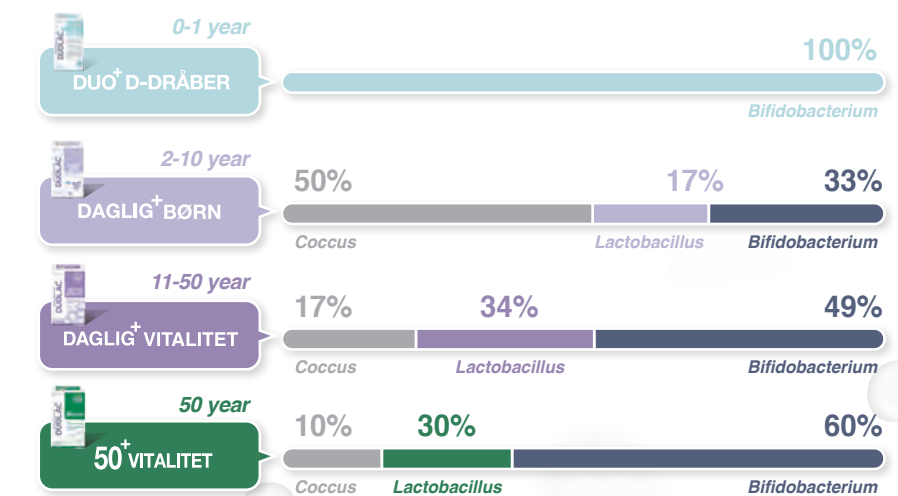
Microbiome Diversity By Age

While *Bifidobacterium* is the most predominant bacteria in the intestines for infants, its percentage decreases with age. Due to the nature of *Bifidobacterium*, Cell Biotech probiotics have varying levels of *Bifidobacterium* targeted to different age groups.



Information of Our Unique Strain Formulation

DUOLAC® probiotics brand clearly and confidently discloses strain formulation of *Lactobacillus* and *Bifidobacterium* on the product package. Our strain combination is scientifically formulated depending on different intestinal flora by age and the different growth rate of each strain genus in the intestine.



Our Probiotic Expertise _04

Total Solution Provider

State-Of-The-Art Facilities Enable Us to Manufacture Top-Quality Probiotics Products

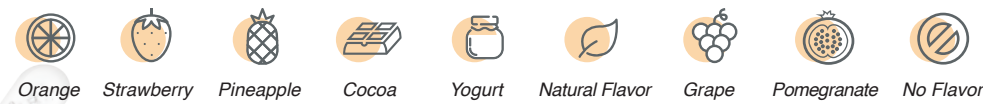
We provide qualified probiotic products through our one stop solution, which covers strain development, production, distribution, quality control and customer service in accordance with global standards.

To guarantee security, traceability and efficiency of the products, the whole chain is mastered and internalized.

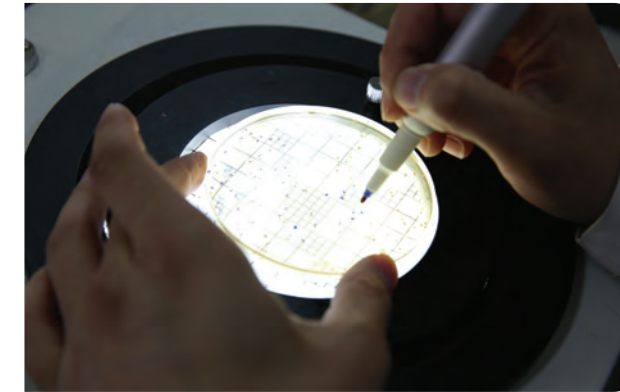
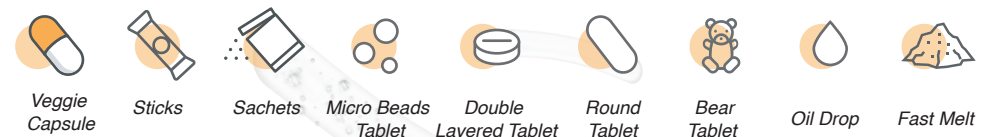
We offer unique dosage format and flavors depending on the customer's needs.



Variety Flavors



Dosage Formats



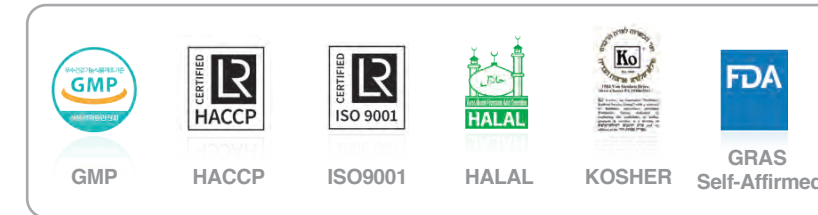
Quality Assurance

With a world-class quality control system, Cell Biotech conducts quality inspections at each and every stage from raw material inspections to the product delivery to ensure the safety and traceability of your products.

Cell Biotech has established a quality control system to meet different criteria of various countries and this allows us to export to over forty countries including the United States, Europe, and the Middle East.

Compliance With Global Safety Standards

We have implemented globally approved quality inspection to ensure the reliability as well as safety of our products and have obtained various certifications such as Halal, Kosher and ISO, which allow us to export to more than forty countries all over the world.



* Halal and Kosher certifications are only valid for the Singapore product range and specific raw material

PRODUCT ATTRIBUTES

Safe ingredients and free from

- Non GMO
- No Colors
- No Preservatives

- Gluten Free
- Lactose Free
- Dairy Free
- Nut Free

- Gastric Acid & Bile Resistant
- Shelf Stable
- Refrigeration not required

Organic Formula *
* Order-Made

Commercial Strain List

Carefully developed 20 commercial probiotic strains

| No. | Genus (Cell Type) | Name | Species | Origin | GRAS* | Characteristics |
|-----|-------------------|----------|--|----------------|-------|---|
| 1 | Lactobacillus | CBT-LA1 | <i>Lactobacillus acidophilus</i> | Healthy Human | ○ | It has antibacterial activity against harmful bacteria such as E. coli, Salmonella and excretes LPS (Lipopolysaccharide) from body. |
| 2 | | CBT-LH5 | <i>Lactobacillus helveticus</i> | Healthy Human | | It has strong antimicrobial activity. |
| 3 | | CBT-LC5 | <i>Lactobacillus casei</i> | Healthy Human | | It plays a role in maintaining intestinal immune balance. Especially, it is effective in inhibiting autoimmune diseases such as rheumatoid arthritis and atopic dermatitis. |
| 4 | | CBT-LG1 | <i>Lactobacillus delbrueckii subsp. bulgaricus</i> | Healthy Human | | A strain to ferment the yogurt, enhances the richness of yogurt. |
| 5 | | CBT-LP3 | <i>Lactobacillus plantarum</i> | Fermented food | ○ | A representative lactic acid bacteria strain isolated from Kimchi. It is highly effective in degrading cholesterol. |
| 6 | | CBT-LPC5 | <i>Lactobacillus paracasei</i> | Fermented food | | A strain to ferment the yogurt, enhances the richness of yogurt. |
| 7 | | CBT-LU4 | <i>Lactobacillus reuteri</i> | Healthy Human | | |
| 8 | | CBT-LR5 | <i>Lactobacillus rhamnosus</i> | Healthy Human | ○ | It is excellent for intestinal colonization and has anti-inflammatory effect controlling pro-inflammatory cytokine. |
| 9 | | CBT-LGA1 | <i>Lactobacillus gasseri</i> | Mother's milk | | It is highly effective in degrading alcohol and acetaldehyde. |

*GRAS Self-Affirmed




| No. | Genus (Cell Type) | Name | Species | Origin | GRAS* | Characteristics |
|-----|-------------------|-------------------|--|----------------|-------|---|
| 10 | Bifidobacterium | CBT-BT1 | <i>Bifidobacterium longum bv. infantis</i> | Healthy Baby | ○ | A strain degrades HMO(Human Milk Oligosaccharide) and synthesizes vitamin B group. Urea can be decomposed to help recycle nutrients in the intestines. |
| 11 | | CBT-BL3 | <i>Bifidobacterium lactis</i> | Healthy Baby | ○ | It has anti-colitis effect and anti-inflammatory effect by regulating the role of pro-inflammatory cytokine in relation to intestinal immune balance. |
| 12 | | CBT-BR3 | <i>Bifidobacterium breve</i> | Healthy Baby | ○ | In addition to HMO degradation function, it also has effects on metabolic syndrome and acetaldehyde decomposition function. |
| 13 | | CBT-BF3 | <i>Bifidobacterium bifidum</i> | Healthy Baby | ○ | A strain degrades HMO and locates as the dominant species of intestinal flora within the first 1-2 weeks of life. |
| 14 | | CBT-BG7 | <i>Bifidobacterium longum</i> | Healthy Baby | ○ | Degrading HMO, it also has high antiviral activity against rotavirus and inhibits the activity of H. pylori. |
| 15 | Coccus | CBT-SL6 | <i>Lactococcus lactis subsp. lactis</i> | Healthy Human | ○ | It grows rapidly in the intestine and helps <i>Lactobacillus</i> and <i>Bifidobacterium</i> settle in the intestines. |
| 16 | | CBT-EF4 | <i>Enterococcus faecium</i> | Healthy Human | | It grows rapidly in the intestine with excellent stability. |
| 17 | | CBT-EFL2 | <i>Enterococcus faecalis</i> | Healthy Human | | |
| 18 | | CBT-SL5 | <i>Enterococcus faecalis</i> | Healthy Human | | |
| 19 | | CBT-ST3 | <i>Streptococcus thermophilus</i> | Healthy Human | ○ | It grows rapidly in the intestine and helps <i>Lactobacillus</i> and <i>Bifidobacterium</i> settle in the intestines. |
| 20 | | CBT-SL4 (CBT-PP1) | <i>Pediococcus pentosaceus</i> | Fermented food | | A representative lactic acid bacteria strain isolated from Kimchi. It is highly effective in antimicrobial activity against harmful microorganisms such as food poisoning bacteria. |

*GRAS Self-Affirmed


Complete Probiotics Solutions For Daily Care


Infant

- 4 well documented multi-*Bifidobacterium* strains for infant.
- Normalizes the gut microflora in newborn babies and bone health.
- Specially developed oil formulation, which is easily ingested by infants.
- Our unique *Bifidobacterium* strain degrades HMO and synthesizes vitamin B group.


Baby

- 5 well documented multi-strains for babies.
- Normalizes the gut microflora in babies.
- Specially developed powder formulation, which can be mixed into water or milk for easy ingestion.
- Convenient one-a-day solution
- Synbiotics formula (Probiotics + FOS)


Baby

- 3 well documented multi-strains for babies.
- Alleviates bloating, gas and pain in the gut after intake of dairy products containing lactose.
- Significantly helps break down lactose in lactose intolerant babies.
- Relief from symptoms of watery diarrhea.


Kids

- 4 well documented multi-strains for kids.
- Ensures a healthy gut microflora in kids during the growing phase, thus optimizing digestion and increasing the absorption of necessary vitamins and minerals.
- Convenient one-a-day-chewable tablet for kids.
- Delicious and lovely bear shaped tablet.


Kids

- 5 well documented multi-strains for kids.
- Vitamin D and calcium for kids bone health. Zinc to support kid's immune system.
- Ensures a healthy gut microflora in kids during the growing phase, thus optimizing digestion and increasing the absorption of necessary vitamins and minerals.
- Delicious and lovely bear shaped tablet.

New Born Baby™

| | |
|--------------------|---------|
| <i>B. infantis</i> | CBT-BT1 |
| <i>B. breve</i> | CBT-BR3 |
| <i>B. longum</i> | CBT-BG7 |
| <i>B. bifidum</i> | CBT-BF3 |
| Vitamin D3 | |
| MCT Oil | |

Happy Baby™

| | |
|-----------------------|---------|
| <i>P. pentosaceus</i> | CBT-PP1 |
| <i>L. plantarum</i> | CBT-LP3 |
| <i>L. rhamnosus</i> | CBT-LR5 |
| <i>B. lactis</i> | CBT-BL3 |
| <i>B. longum</i> | CBT-BG7 |

Milk Again™

| | |
|---------------------------|---------|
| <i>S. thermophilus</i> | CBT-ST3 |
| <i>L. acidophilus</i> | CBT-LA1 |
| <i>B. longum</i> | CBT-BG7 |
| Milk Minerals Concentrate | |
| Vitamin B Complex | |
| Vitamin C | |
| Zinc | |
| Calcium | |

Healthy Kids™


| | |
|------------------------|---------|
| <i>S. thermophilus</i> | CBT-ST3 |
| <i>L. plantarum</i> | CBT-LP3 |
| <i>B. longum</i> | CBT-BG7 |
| <i>B. breve</i> | CBT-BR3 |

Kids Plus™

| | |
|------------------------|---------|
| <i>S. thermophilus</i> | CBT-ST3 |
| <i>L. lactis</i> | CBT-SL6 |
| <i>L. plantarum</i> | CBT-LP3 |
| <i>B. longum</i> | CBT-BG7 |
| <i>B. breve</i> | CBT-BR3 |
| Vitamin D3 | |
| Seaweed Calcium | |
| Zinc | |

For Daily Well Being Of All Ages

Daily concepts are for everyone and everyday use to support and maintain a healthy internal balance, a strong immune defense and a well functioning gut.


Adult

- 6 well documented multi-strains for adult and vitamin C for immune system.
- Alleviates bloating, gas and pain in the gut in adults. Clinically proven effect on IBS, irritable bowel syndrome.
- Convenient one-a-day solution easy to take with vegetarian capsule.

Daily Robust™

| | |
|------------------------|---------|
| <i>S. thermophilus</i> | CBT-ST3 |
| <i>L. acidophilus</i> | CBT-LA1 |
| <i>L. rhamnosus</i> | CBT-LR5 |
| <i>B. lactis</i> | CBT-BL3 |
| <i>B. longum</i> | CBT-BG7 |
| <i>B. bifidum</i> | CBT-BF3 |
| Vitamin C | |

Organic Formula
with 95% organic prebiotics


Senior

- 6 well documented multi-strains for adult added with our unique heat-killed bacteria, Prolac-T™.
- Clinically proven effect on IBS, irritable bowel syndrome.
- Vitamin D for bone health and Vitamin C for immune system.
- Convenient one-a-day solution easy to take with vegetarian capsule or stick.

50+™

| | |
|------------------------|---------|
| <i>S. thermophilus</i> | CBT-ST3 |
| <i>L. acidophilus</i> | CBT-LA1 |
| <i>L. rhamnosus</i> | CBT-LR5 |
| <i>B. lactis</i> | CBT-BL3 |
| <i>B. longum</i> | CBT-BG7 |
| <i>B. bifidum</i> | CBT-BF3 |
| Prolac-T™ | |
| Vitamin D3 | |
| Vitamin C | |


Senior

- Our worldwide best selling 7 multi-strain formulation with various vitamins for senior.
- Restores and maintains a balanced gut microflora.
- Convenient one-a-day solution easy to take with vegetarian capsule or stick.
- Synbiotics formula (Probiotics + FOS)

Best 7 Premium™

| | |
|------------------------|---------|
| <i>S. thermophilus</i> | CBT-ST3 |
| <i>L. acidophilus</i> | CBT-LA1 |
| <i>L. rhamnosus</i> | CBT-LR5 |
| <i>L. plantarum</i> | CBT-LP3 |
| <i>L. lactis</i> | CBT-SL6 |
| <i>B. bifidum</i> | CBT-BF3 |
| <i>B. breve</i> | CBT-BR3 |
| Zinc | |
| Vitamin D | |
| Vitamin B Complex | |
| Prolac-T™ | |


Family

- 4 well documented multi-strains for kids.
- Ensures a healthy gut microflora in kids during the growing phase, thus optimizing digestion and increasing the absorption of necessary vitamins and minerals.
- Convenient one-a-day-chewable tablet for kids.
- Delicious and lovely bear shaped tablet.

Best 7 Postbiotics™

| | |
|------------------------|---------|
| <i>S. thermophilus</i> | CBT-ST3 |
| <i>L. acidophilus</i> | CBT-LA1 |
| <i>L. rhamnosus</i> | CBT-LR5 |
| <i>L. plantarum</i> | CBT-LP3 |
| <i>L. lactis</i> | CBT-SL6 |
| <i>B. bifidum</i> | CBT-BF3 |
| <i>B. breve</i> | CBT-BR3 |
| Prolac-T | |


Pregnant

- 4 well documented *multi-bifido bacterium* strains for pregnant.
- Normalizes the gut microflora in pregnant woman.
- Synbiotics formula (Probiotics + FOS)
- Convenient one-a-day solution easy to take with vegetarian capsule.
- Free from artificial flavors, colors, sweeteners.

Mom™

| | |
|--------------------|---------|
| <i>B. infantis</i> | CBT-BT1 |
| <i>B. breve</i> | CBT-BR3 |
| <i>B. longum</i> | CBT-BG7 |
| <i>B. bifidum</i> | CBT-BF3 |

Complete Probiotics Solutions For Special Care



Atopic Dermatitis

- 4 well documented multi-strains.
- The mixture of 4 probiotics has proven effective and safe in helping manage adult and childhood atopic dermatitis.
- Alleviates loose stool and rebalances the gut flora.



Acute Diarrhea

- Our unique heat killed bacteria, Prolac-T™ have a strong effect on diarrhea.
- *In-vitro* and *in-vivo* studies shows inhibitory effect to *E.coli*, *Salmonella* and *Shigella*.
- Relief from symptoms of watery diarrhea Alleviates loose stool and rebalances the gut flora.



Antibiotics Diarrhea

- Our unique heat killed bacteria, Prolac-T™ helps alleviate diarrhea during and after antibiotics treatment.
- Other viable strains, alleviate loose stools and rebalances the gut flora.
- Restores intestinal gut flora after antibiotic treatment.



Digestion

- A superior combination of enzymes and probiotics ensures the best possible digestion conditions.
- Digestive enzymes to help digestion.
- Relieves excessive bloating, heart burn and discomfort after heavy food intake.



Boost

- An extra boost of probiotics and a good mix of 12 different types of lactic acid bacterial strains for the periods when you need it most.
- Vitamin B complex can be added for the energy metabolism.

Derma™

| | |
|---------------------|---------|
| <i>L. casei</i> | CBT-LC5 |
| <i>L. plantarum</i> | CBT-LP3 |
| <i>L. rhamnosus</i> | CBT-LR5 |
| <i>B. lactis</i> | CBT-BL3 |

Biotin

Organic Formula
with 95% organic prebiotics

STOP™

| | |
|------------------------|---------|
| <i>S. thermophilus</i> | CBT-ST3 |
| <i>L. acidophilus</i> | CBT-LA1 |
| <i>L. plantarum</i> | CBT-LP3 |
| <i>B. lactis</i> | CBT-BL3 |
| <i>B. breve</i> | CBT-BR3 |

Prolac-T™

Magnesium

AAD Body Cop™

| | |
|------------------------|---------|
| <i>S. thermophilus</i> | CBT-ST3 |
| <i>L. acidophilus</i> | CBT-LA1 |
| <i>L. rhamnosus</i> | CBT-LR5 |
| <i>B. lactis</i> | CBT-BL3 |
| <i>B. longum</i> | CBT-BG7 |

Prolac-T™

Easy Digest™

| | |
|------------------------|---------|
| <i>S. thermophilus</i> | CBT-ST3 |
| <i>P. pentosaceus</i> | CBT-PP1 |
| <i>L. plantarum</i> | CBT-LP3 |

Protease

Amylase

Microbiome 12+™

| | |
|------------------------|----------|
| <i>S. thermophilus</i> | CBT-ST3 |
| <i>P. pentosaceus</i> | CBT-PP1 |
| <i>L. plantarum</i> | CBT-LP3 |
| <i>L. acidophilus</i> | CBT-LA1 |
| <i>L. rhamnosus</i> | CBT-LR5 |
| <i>L. casei</i> | CBT-LC5 |
| <i>L. paracasei</i> | CBT-LPC5 |
| <i>B. lactis</i> | CBT-BL3 |
| <i>B. longum</i> | CBT-BG7 |
| <i>B. breve</i> | CBT-BR3 |
| <i>B. bifidum</i> | CBT-BF3 |
| <i>B. infantis</i> | CBT-BT1 |

Targeted Health Benefits

Our special probiotics formulation are targeted for those situations where extra help is needed to recover and restore the specific symptoms or disease.



Immunity

- Carefully selected 3 multi-strains for increasing the absorption of necessary vitamins and minerals.
- 100% of your daily needs for vitamins combined with probiotics to keep your immune defenses and your vitality.
- Vitamin C contributes to the proper functioning of the immune system.
- Vitamins B complex contribute to a good energy metabolism, a source of vitality.



Bowel Movement

- A unique probiotics formulation combined with rich fibers alleviate symptoms of constipation and rebalances the gut microflora.
- Relief from constipation and symptoms.
- Alleviates loose stool and rebalances the gut flora.



Alcohol

- For men who need probiotics support and liver health.
- 5 synergistic live probiotics for intestinal support.
- Clinically proven effect for treatment of hang-over.
- Silymarin supports to keep healthy liver.
- Glabridin soothes stomach, anti -*Helicobacter pylori* (*H. pylori*) activity.



Inner Beauty

- For women who need probiotics support and glowing skin from within.
- Hyaluronic acid and collagen helps to increase elasticity and moisture of the skin.
- Vitamin A contributes to the maintenance of normal skin.
- Vitamin C contributes to normal collagen formation for normal function of the skin.
- Vitamin E contributes to the protection of cells from oxidative stress.



Bone Health

- A unique probiotics formulation combined with Aquamin-F, a natural calcium source produced from mineralized seaweed.
- Probiotics added with organic calcium source Aquamin-F with highest possible bioavailability.

Vitality™

| | |
|------------------------|---------|
| <i>S. thermophilus</i> | CBT-ST3 |
| <i>L. plantarum</i> | CBT-LP3 |
| <i>B. bifidum</i> | CBT-BF3 |

Vitamin B1

Vitamin B2

Vitamin B6

Vitamin B12

Vitamin C

Vitamin D3

Prolac-T™

Relieve™

| | |
|------------------------|---------|
| <i>S. thermophilus</i> | CBT-ST3 |
| <i>L. plantarum</i> | CBT-LP3 |
| <i>L. acidophilus</i> | CBT-LA1 |
| <i>L. rhamnosus</i> | CBT-LR5 |
| <i>B. longum</i> | CBT-BG7 |
| <i>B. breve</i> | CBT-BR3 |
| <i>B. lactis</i> | CBT-BL3 |

Fiber (FOS)

Healthy Liver™

| | |
|-----------------------|----------|
| <i>P. pentosaceus</i> | CBT-PP1 |
| <i>L. casei</i> | CBT-LC5 |
| <i>L. gasseri</i> | CBT-LGA1 |
| <i>B. lactis</i> | CBT-BL3 |
| <i>B. breve</i> | CBT-BR3 |

Vitamin C

Protease

Amylase

Milk Thistle Extract

Glabridin

Beauty Plus™

| | |
|-----------------------|---------|
| <i>P. pentosaceus</i> | CBT-PP1 |
| <i>L. plantarum</i> | CBT-LP3 |
| <i>L. acidophilus</i> | CBT-LA1 |
| <i>L. casei</i> | CBT-LC5 |
| <i>B. lactis</i> | CBT-BL3 |

Hyaluronic Acid

Collagen

Vitamin A

Vitamin C

Vitamin E

Strength™

| | |
|------------------------|---------|
| <i>S. thermophilus</i> | CBT-ST3 |
| <i>L. rhamnosus</i> | CBT-LR5 |
| <i>L. casei</i> | CBT-LC5 |

Aquamin-F