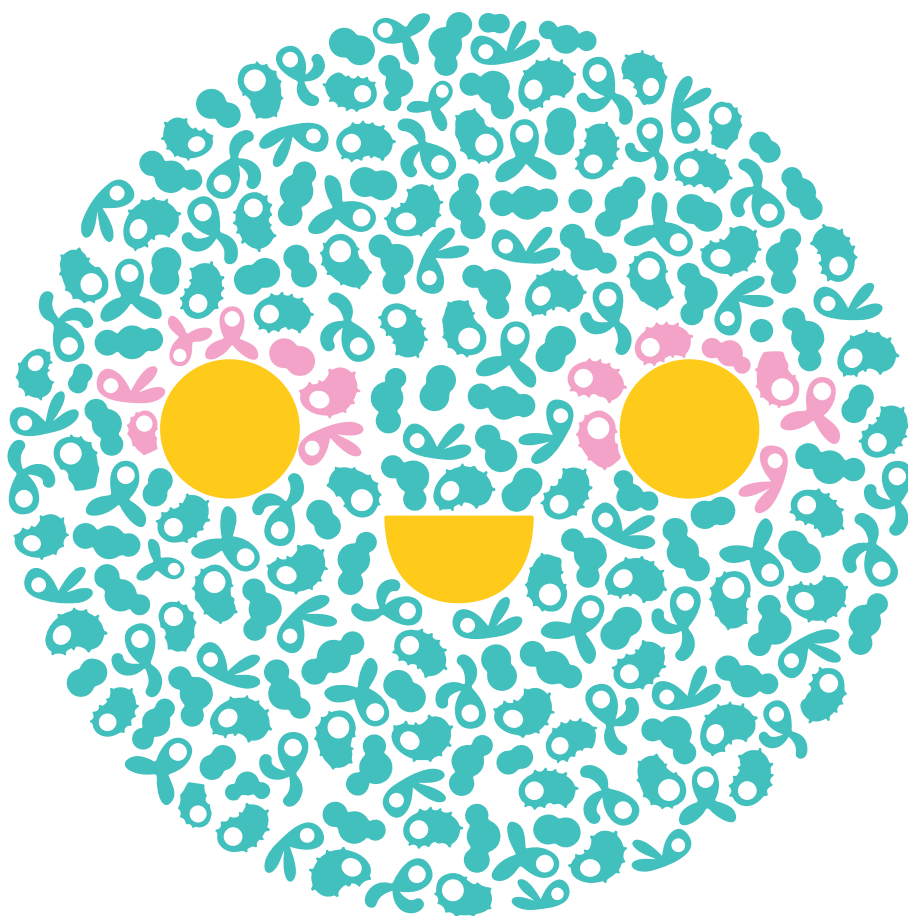


FAME

BIOPHARMACEUTICALS:
The Future of Healthcare

PROBIOTICS

Product Portfolio



FAME Pharmaceuticals Industry Co., Ltd.

What are **PROBIOTICS**?

Our bodies are home to trillions of bacteria. It was previously thought that most were just harmless organisms that have evolved to coexist within us but emerging research has shown the critical roles they play in our wellbeing.

In short, probiotics are the good and friendly bacteria that help keep our bodies healthy and well-functioning.

How do they work?

The average person has around 1.5 kg of bacteria that help with digestion and keep the stomach in balance. They do this by producing substances that inhibit the growth of unwanted bacteria, occupying the epithelial cells in the gastrointestinal tract and fighting for space and nutrients. In this way, humans and their gut microbiota share a symbiotic relationship.



However, many activities in our modern lifestyle can upset the balance of our microflora. For example; taking antibiotics, consuming ultra-processed foods, not getting enough sleep, smoking and drinking too much alcohol. Without proper rehabilitation, it is easy for the harmful bacteria to become the dominant force in our systems.

Probiotics help mitigate this by replenishing and reinforcing our gut microbiota with the good bacteria of our choice to get the desired health benefits.

Types of PROBIOTICS

The average person has over 1000 species of bacteria in their gut microbiome and different types of probiotics can have different effects on our bodies.

Therefore, it is important to choose the probiotic strains that are most suitable for your needs in order to maximise efficiency.

Although most are still being studied, a number of probiotic strains are now scientifically proven to have desired benefits.

You will find our carefully selected high performing strains present in our products below.

<i>Bifidobacterium bifidum</i>	<i>Lactobacillus acidophilus</i>
<i>Bifidobacterium breve</i>	<i>Lactobacillus casei</i>
<i>Bifidobacterium lactis</i>	<i>Lactobacillus paracasei</i>
<i>Bifidobacterium longum</i>	<i>Lactobacillus plantarum</i>
<i>Lactobacillus reuteri</i>	<i>Pediococcus pentosaceus</i>
<i>Lactobacillus rhamnosus</i>	<i>Streptococcus thermophilus</i>



Biogurt®

Probiotic
Supplement





Biogurt

Probiotics Supplement

- Prevention and treatment of diarrhoea
- Restore normal flora after diarrhoea or antibiotic therapy
- Irritable bowel syndrome (IBS)
- Immunoenhancement

Each capsule contains: ● ●

Bifidobacterium lactis – 875 million

Lactobacillus acidophilus – 875 million



High performing probiotics that **improves gut microflora** and reduces the number of unwanted bacteria. Clinically proven strong strains.



Improves **recovery after antibiotic treatment**, repopulating the gut with good bacteria to re-establish a healthy balance of bacteria.



Helps digestion and **reduce flatulence**; foods exposed to these bacteria are broken down and will have their biological values improved.



Improves lactose intolerance and absorption of calcium containing foods.

BioMune

Probiotics for Immuno-enhancement





BioMune

Probiotics for Immunoenhancement

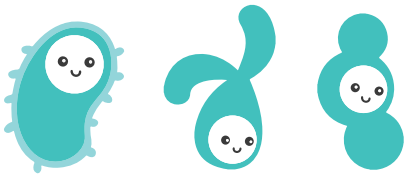
- Helps strengthen the immune system
- Supports healthy skin and oral health
- Helps maintain a healthy digestive system
- Improves absorption of nutrients

Each capsule contains: ● ● ●

Lactobacillus rhamnosus - 1 billion

Bifidobacterium bifidum - 1 billion

Streptococcus thermophilus - 1 billion



Lactic acid bacteria are beneficial bacteria that exist naturally in the intestines. ***Lactobacillus rhamnosus***, in particular, is recognized for its ability to survive passage through the acidic GI tract and inhibits harmful bacteria that prefer alkaline surroundings. It is excellent for intestinal colonization and has anti-inflammatory effect controlling cytokines.

It has been shown to have a positive effect on the oral immune response and may also reduce the colonization of oral bacteria.

It also supports healthy skin and vaginal health.



Approximately 70% of the immune system is located in the intestine and the microflora plays a vital part in its function.

Bifidobacteria are active scavengers of toxins and helps remove toxic substances from the body, thus supporting liver functions.

Bifidobacterium bifidum is the most dominant probiotics in the large intestine that has ability to break down complex carbohydrates, fats and proteins so that the body can use them more efficiently. It also supports the production of vitamins.

Streptococcus thermophilus rapidly grows in the intestine and helps *Lactobacillus* and *Bifidobacterium* to settle. It is an important and hardy strain that supports colon health by protecting against small intestine irritation.

* Regular consumption of these probiotics helps maintain a healthy immune system by modulating immune responses.

BioBeauty

PROBIOTICS FOR
HEALTHY SKIN
PROBIOTICS FOR
HEALTHY SKIN
PROBIOTICS FOR
HEALTHY SKIN





BioBeauty

Probiotics for Healthy Skin

- Enriches skin for healthy and smooth appearance
- Helps reduce UV-induced skin damage
- Maintains skin youthfulness
- Skin detoxification

Each capsule contains: ● ● ● ●

Lactobacillus casei - 2.4 billion CFU

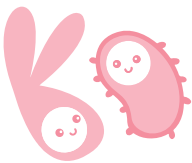
Lactobacillus plantarum - 1.2 billion CFU

Lactobacillus rhamnosus - 1.2 billion CFU

Bifidobacterium lactis - 1.2 billion CFU



The skin microflora plays a significant role in processing skin proteins, free fatty acids and sebum while inhibiting aggressive pathogens.



Probiotics promote the absorption of dietary nutrients that are essential for cell metabolism and synthesis of various functional and structural components of the skin.

Probiotics also help inhibit aggressive pathogens that provoke infections in the skin through competitive exclusion and other mechanisms such as lowering pH to preserve skin health.



Lactobacillus probiotics helps preserve **procollagen** in human fibroblasts. It also significantly enhances **hyaluronic acid** synthesis in the skin.

This improves skin elasticity, increases moisture content in the skin and **reduces signs of facial aging**.

FAME

Biofat

Cholesterol Lowering Probiotics





BioFat

Cholesterol Lowering Probiotics

- Supports fat burning
- Promotes healthy weight loss
- Modulates energy metabolism
- Helps dissolve gallstones

Each capsule contains: ● ● ● ●

Lactobacillus acidophilus - 1.5 billion CFU

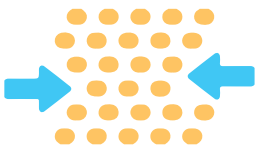
Lactobacillus casei - 1.5 billion CFU

Lactobacillus plantarum - 1.5 billion CFU

Pediococcus pentosaceus - 1.5 billion CFU

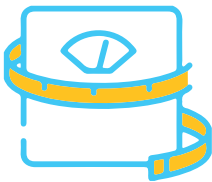


A person's gut microbiota can have significant influence on their energy metabolism and body weight.



These probiotics are highly effective in degrading cholesterol.

They possess hypocholesterolemic effects which allows them to bind cholesterol in the small intestine. The bound cholesterol is used for growth or converted to coprostanol which is directly excreted from body. This **lowers dietary cholesterol** available for absorption in the intestine.



Probiotics ferment non-digestible polysaccharides and produce short-chain fatty acids which interact with G-protein coupled receptors to reduce gut motility and suppress energy intake. These interactions also stimulate leptin production which inhibits **obesity-related** metabolic disturbances such as **insulin resistance** and lipogenesis.



Probiotics are also able to **deconjugate bile acids** by producing bile salt hydrolases (BSH). Deconjugated bile acids are poorly absorbed and mostly excreted from the body.



FAME

BioKid
Probiotics for kid

30 Chewable Tablets

Made in KOREA



BioKid

Probiotics for Kids

- Boosts immunity & tummy comfort
- Supports growth of bones & teeth
- Supports digestive health
- Reduces incidence of respiratory infections

Each chewing tablet contains: ● ● ●

Streptococcus thermophilus - 3.6 billion CFU

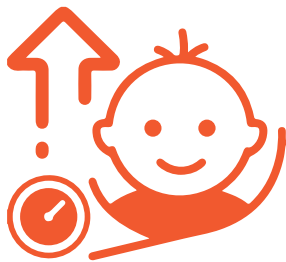
Lactobacillus acidophilus - 1.2 billion CFU

Bifidobacterium longum - 1.2 billion CFU



Probiotics have positive effects on the modulation of immunoglobulin and gut microflora in children.

Probiotics are **safe and effective** as a treatment for children with acute infectious diarrhoea, antibiotic-associated **diarrhoea, constipation** and **abdominal pain**.



Studies have shown dietary intake of probiotics to be beneficial in terms of **weight and height gain** among children.



Children consuming milk containing this probiotic also had significantly **fewer dental caries** and lower salivary counts of harmful bacteria that cause **tooth decay**.



Probiotics can also help prevent **acute respiratory tract infections** and reduce symptoms of the **common cold**.

Although BioKid is intended for children, the constituents of BioKid (*Lactobacillus acidophilus*, *Bifidobacterium longum*, *Streptococcus thermophilus*) are also suitable for patients with Chronic Kidney Disease (CKD). According to international research, probiotic strains included in BioKid can **improve renal function**, reduce metabolic parameters such as cholesterol and have anti-oxidant action. Thus, it is also suitable for patients on hemodialysis.

FAME

Probiotics for Oral Health

BioOral

ငွေဆေး



BioOral

Probiotics for Oral Health

- Improves gums and teeth health
- Promotes better breath
- Promotes oral immune health
- Restores oral flora



Each lozenge contains: ● ● ● ● ● ●

Streptococcus thermophilus - 2.5 billion CFU

Bifidobacterium breve - 0.83 billion CFU

Lactobacillus rhamnosus - 0.83 billion CFU

Lactobacillus casei - 0.83 billion CFU

Lactobacillus paracasei - 0.83 billion CFU

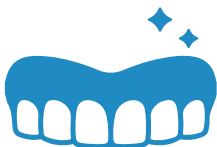
Lactobacillus reuteri - 0.21 billion CFU



Probiotics can actively improve oral health by restoring the balance of oral microflora. This keeps gums and teeth healthy and helps treat bad breath.



Probiotics **protect oral health** by inhibiting pathogenic bacteria in the oral cavity. They directly compete for space needed for attachment and also produces bacteriocins that suppress the growth of harmful bacteria. This controls the number of *Streptococcus mutans*, the main bacteria that causes **dental caries**.



They also induce immune responses such as salivary IgA formation, macrophage activation and modulation of pro-inflammatory cytokines, producing vitamins and lactic acid that function as antioxidants. These antioxidants **prevent stain and plaque formation** by limiting mineral formation.

Probiotics also lower the pH so that microorganisms cannot form plaques and calculus that cause **oral inflammation**.

BioPar

Probiotics for Brain Health



အသက်တွေ
ကြီးလာပြီ
ဦးနှောက်နဲ့
အာရုံကြောတွေ
အားနည်းလာပြီ
ဘာလုပ်ရမလဲ



BioPar

Probiotics for Brain Health

- Improves neurodegenerative and neurodevelopmental disorders
- Helps reduce muscle rigidity and postural instability
- Immunomodulation and energy balance

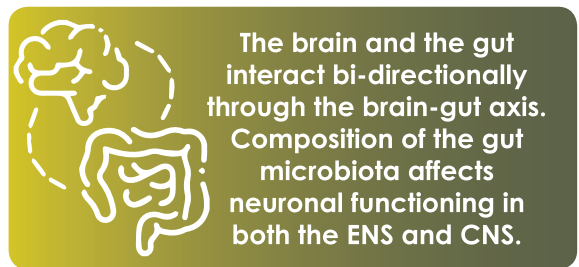
Each capsule contains: ● ● ● ●

Bifidobacterium bifidum - 1.7 billion CFU

Lactobacillus acidophilus - 1.7 billion CFU

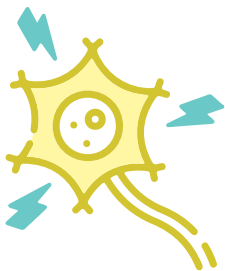
Lactobacillus plantarum - 1.7 billion CFU

Lactobacillus reuteri - 0.86 billion CFU



Studies have now proven gut microbiota to either directly or indirectly modify brain neurochemistry through neural, immune and endocrine systems.

Probiotics intake can reduce behavioral and cognitive deficits such as **anxiety**, **depression** and **memory** problems while improving levodopa absorption.



It can also increase neuronal membrane formation and function and reduce inflammation in both the enteric nervous system (ENS) and central nervous system (CNS). This helps reduce motor and non-motor abnormalities in **Parkinson's disease**.

Probiotics play a crucial role in regulating production of microbial metabolites and activation of the vagus nerve in **neurodegenerative** and **neurodevelopmental disorders**.

Superior Coating Technology

No matter how many probiotics a person takes, they cannot work if they do not reach out intestines alive. However, to do that, they need to pass through the harsh acidic conditions of the stomach.

Our probiotics are **double coated** with a unique and patented coating technology optimized for protecting them against harsh external and internal environmental conditions.

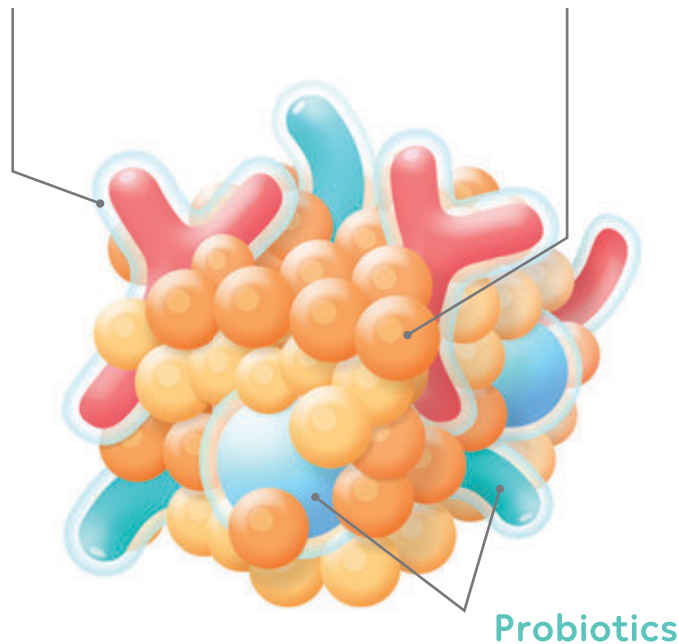
This ensures they reach their destination alive and hence, the efficacy of the product.

1st coating layer

consists of a peptide or protein matrix

2nd coating layer

consists of a hydro-colloidal polysaccharide matrix



DUAL COATED PROBIOTICS

Our Products

Biogurt

BioMune

BioBeauty

BioFat

BioKid

BioOral

BioPar



FAME Pharmaceuticals Industry Co., Ltd.

CONTACT ADDRESSES

Yangon - 20, Mingyi Mahar Min Gaung Street, Industrial Zone 3,
(Office) Hlaing Tharyar Township, Yangon, Myanmar.
Ph : 01-368 5609, 368 2199, 368 5083, 09-443 142 216
Fax : 01-368 0122
Email : drkml@famepharma.com

Pyin Oo Lwin - Fame Organic Pharming Project
706, Kywal Nar Htauk Village, near Anee-sa-khan Railway Station,
Pyin Oo Lwin Township, Mandalay Region, Myanmar.
Ph : 09-793 877 207

Singapore - FAME Pharma Pte Ltd.
(Office) 7 Sin Ming Walk, #05-14 The Gardens @ Bishan, Singapore 575577
Ph : +65-8112 5454
Email : mam@famepharma.com.sg
www.famepharma.com.sg

Singapore - 111 North Bridge Road, #04-51 Peninsula Plaza,
(Showroom & Singapore 179 098
Sales Center) Ph : +65-9457 0530

FAME DELIVERY SERVICE - 09-95 500 5000

09-75 273 1908, 09-75 284 1908, 09-96 512 1908, 09-98 521 1908