

coralclub

Quattrobiotic Formula

4 Levels of Intestinal Protection*



*This statement has not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

A healthy gut microbiome is the foundation of overall well-being and health



The intestine is the primary immune organ

About 70-80% of the body's immune cells are located in the intestines, forming the first line of defense against infections.



Barrier function of the intestines

Epithelial cells and the intestinal mucosa prevent pathogens and toxins from entering the bloodstream.



Gut microbiota and immunity

The gut microbiota trains the immune system to recognize pathogens and maintain balance, preventing autoimmune diseases.



Key role in nutrient absorption

Helps break down complex carbohydrates and fiber, which the human body cannot digest on its own.

Serotonin Production in the Gut

Approximately 90% of serotonin in the body is produced in the intestines.

- It regulates peristalsis (intestinal contractions that aid digestion) and influences inflammation and immune responses.
- Serotonin from the gut does not directly enter the brain but can influence the central nervous system through the vagus nerve and other signaling pathways.

Thus, changes in serotonin levels in the gut can affect emotional well-being.



What We Know about the Gut Microbiome

Highly diverse, containing approximately

~ **100** trillion bacteria

Comparable in weight to the brain, weighing between

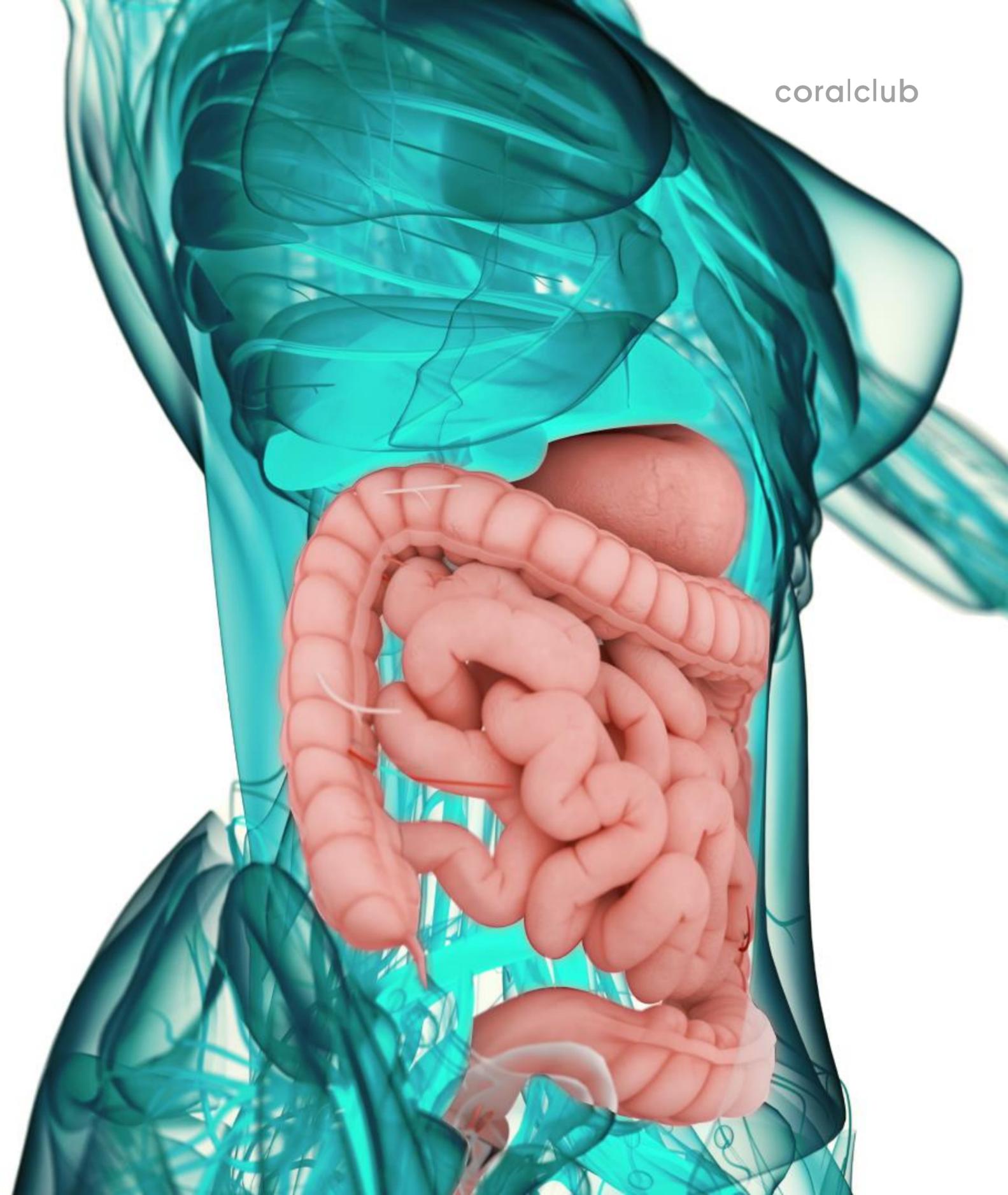
1.2 to 1.4 kg



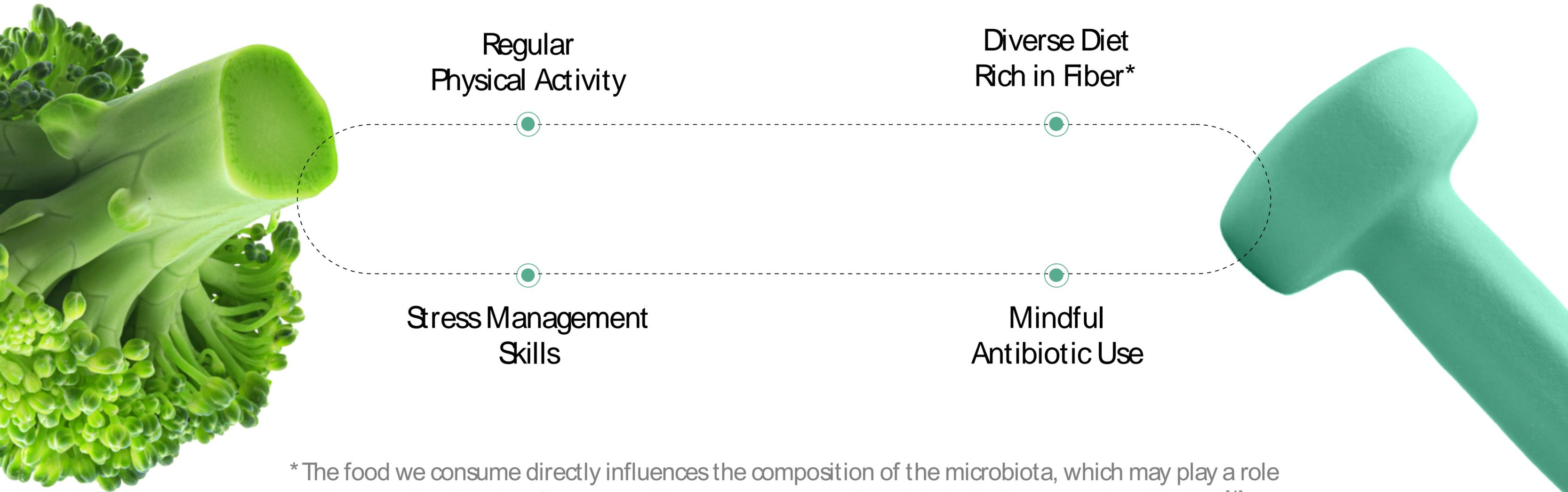
Found to play an important role in long-living individuals, as it may influence inflammation and support immune system function



Unique to each person, much like a fingerprint—no two microbiomes are identical



Building a Balanced Microbiome Through Lifestyle Choices



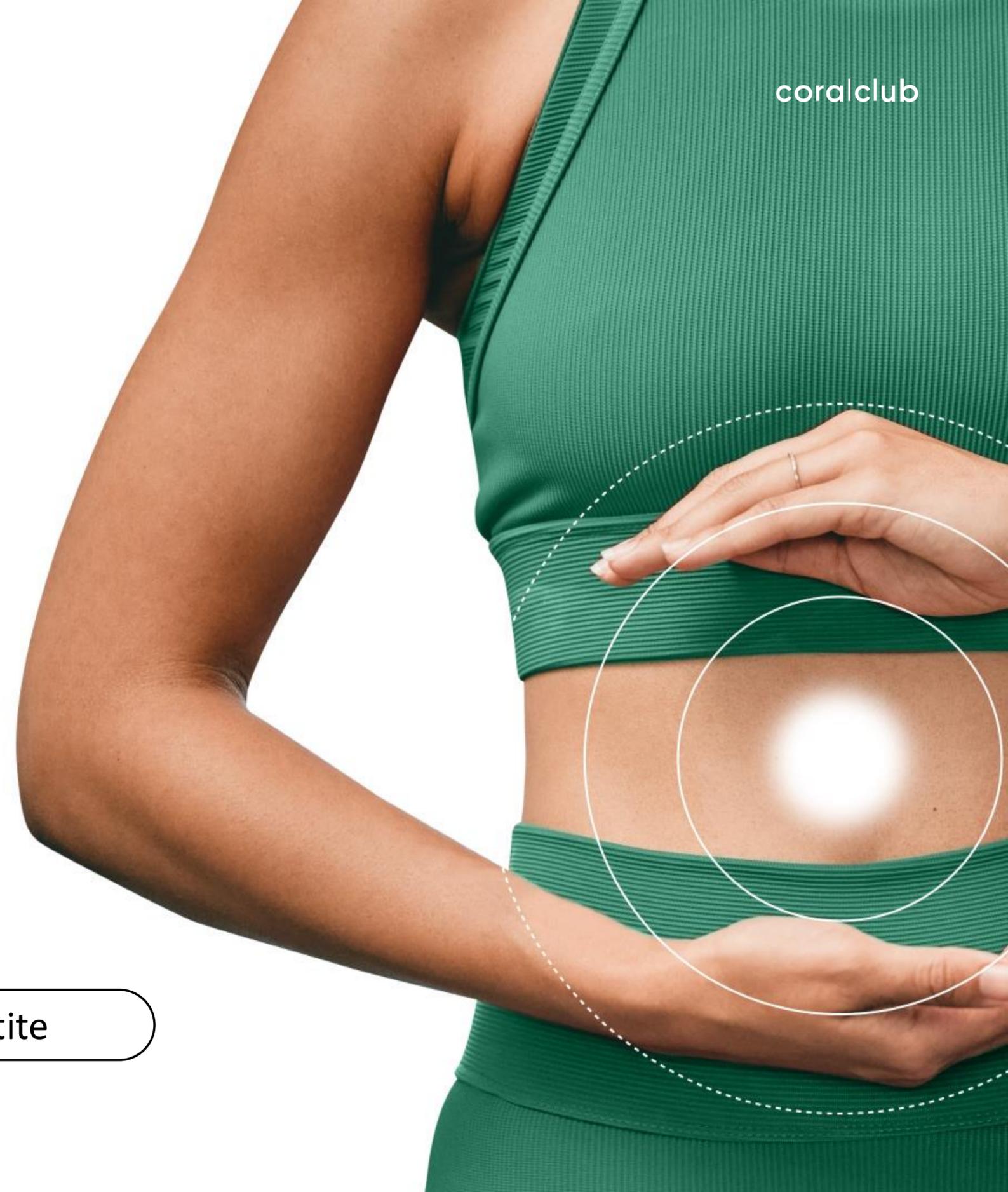
* The food we consume directly influences the composition of the microbiota, which may play a role in mental well-being. Proper nutrition supports overall health, including mental well-being.^[1]

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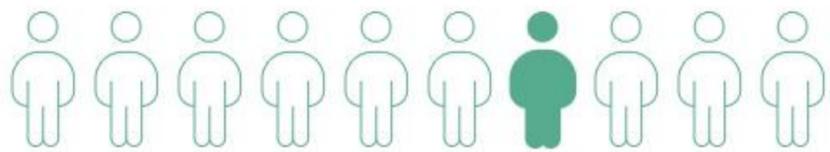
When we take regular care of ourselves, our microbiome remains in harmony

A sudden lifestyle change can cause digestive disorders such as:

- Diarrhea
- Flatulence
- Nausea
- Unpleasant Taste in the Mouth
- Burping
- Stomach Pain
- Bloating
- Loss of Appetite



According to global statistics, every tenth person



regularly experiences symptoms of digestive disorders.^[2]

Introducing an innovation in gut microbiome care — Quattrobiotic Formula*



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Probiotic + Prebiotic* = Synbiotic

4



types of bacteria

A probiotic blend with clinically studied strains that support gut health and microbiome balance. †

12



billion CFU**

4-layer technology to ensure delivery and protection of microorganisms. †



* Prebiotic ingredient: Inulin from chicory root

** CFU (Colony-Forming Unit) — a measure representing the number of microorganisms in a sample that are capable of reproducing and forming visible colonies.

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Quattrobiotic Formula

Contains 4 Types of Bacteria

*Lactobacillus
johnsonii**

*Lactobacillus
plantarum**

*Bifidobacterium
lactis**

*Lactobacillus
rhamnosus*



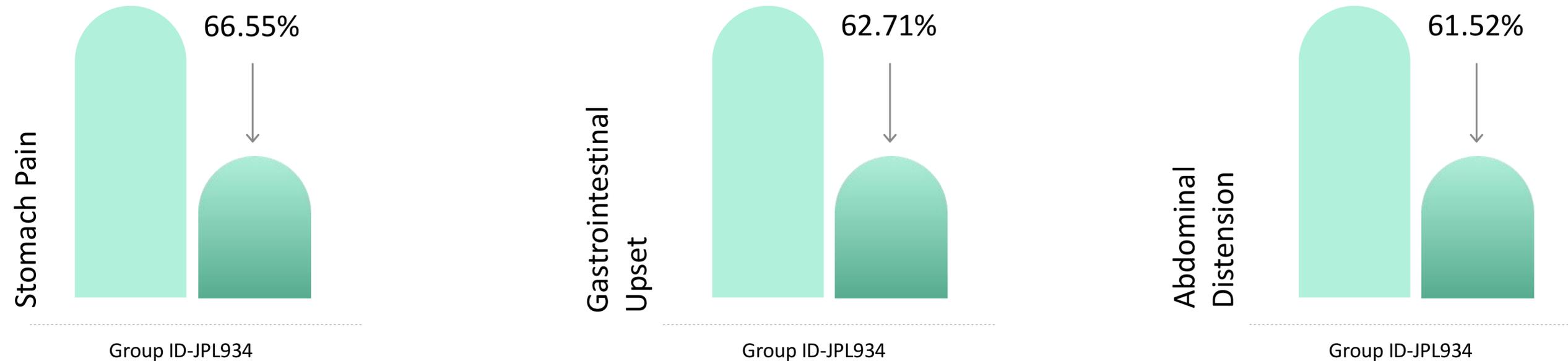
12 billion CFU
per capsule

*Patent-Protected Probiotic Blend: JPL934™

Patented Probiotic Mixture JPL934™

The efficacy of the patented probiotic mixture JPL934™ is clinically proven

- In a double-blind, placebo-controlled clinical study, the group taking the JPL934™ mixture significantly reduced bowel symptoms after 8 weeks of intake[3].



- Values represent participants' average subjective ratings on a 10-point scale at weeks 0 and 8 of the study. Percentages shown represent a reduction in symptom severity from baseline.
- In an in vivo study on mice, the mixture demonstrated anti-inflammatory activity and also helped reduce symptoms of colitis^[4] colitis^[4]

Study on *Lactobacillus rhamnosus* & *Bifidobacterium animalis* strains

Supports respiratory health^{[5] ††}

A randomized, double-blind, placebo-controlled study involved 198 participants aged 18-25. Over 12 weeks, one group took the tested bacterial blend in the form of 5 g of powder, containing 1 billion CFU of each bacterial strain, while the other group received a placebo^{[5] ††}

Findings:

The duration of upper respiratory tract infections was reduced by

33% ‡

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The severity of upper respiratory tract infections was reduced by

34% ‡

‡This study evaluates specific probiotic strains, *Lactobacillus rhamnosus* LGG® and *Bifidobacterium animalis* ssp *lactic* BB-12®, that are not included in Quattrobiotic. Results may not directly apply to this product.

Study Findings on *Lactobacillus plantarum* and *Bifidobacterium lactis* Strains

Studies on these strains show the potential to help reduce LDL “bad” cholesterol levels in the blood, lowering the risk of cardiovascular disease. ‡ †

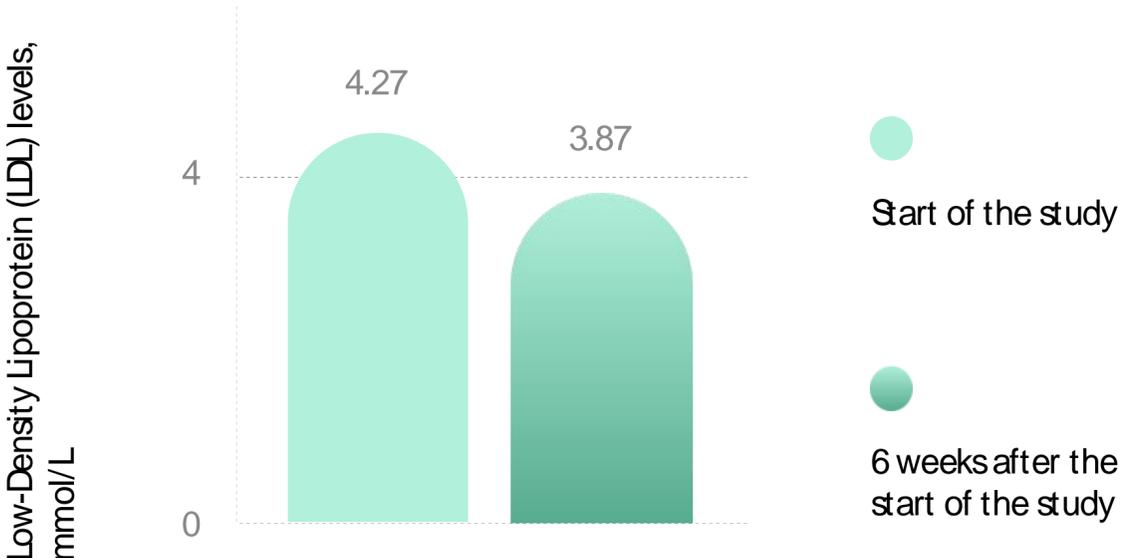
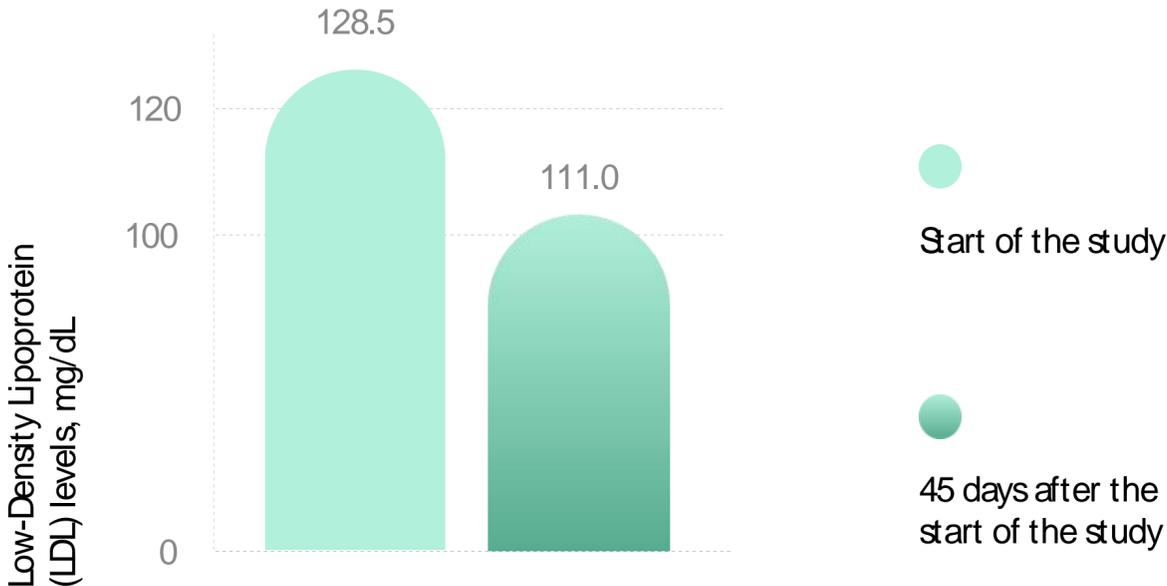
Research on *L. plantarum* and *B. lactis* strains has shown potential benefits for heart health †

Bifidobacterium lactis

A randomized, blinded, placebo-controlled study involving 51 participants diagnosed with metabolic syndrome, aged 18-60 years.^[6] ‡

Lactobacillus plantarum

A randomized, placebo-controlled study involving 49 participants with varying degrees of hypercholesterolemia, aged 30-65 years.^[7] ‡



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‡ The specific strains evaluated in these studies were *Lactobacillus plantarum* ECGC 13110402 and *Bifidobacterium lactis* HN019, which differ in strain numbers from the strains used in Quattrobiotic. Results may not directly apply to this product.

Triple Action of *Lactobacillus rhamnosus*



Promotes Intestinal Health †

Supports the renewal of intestinal tissue and helps restore gut function.



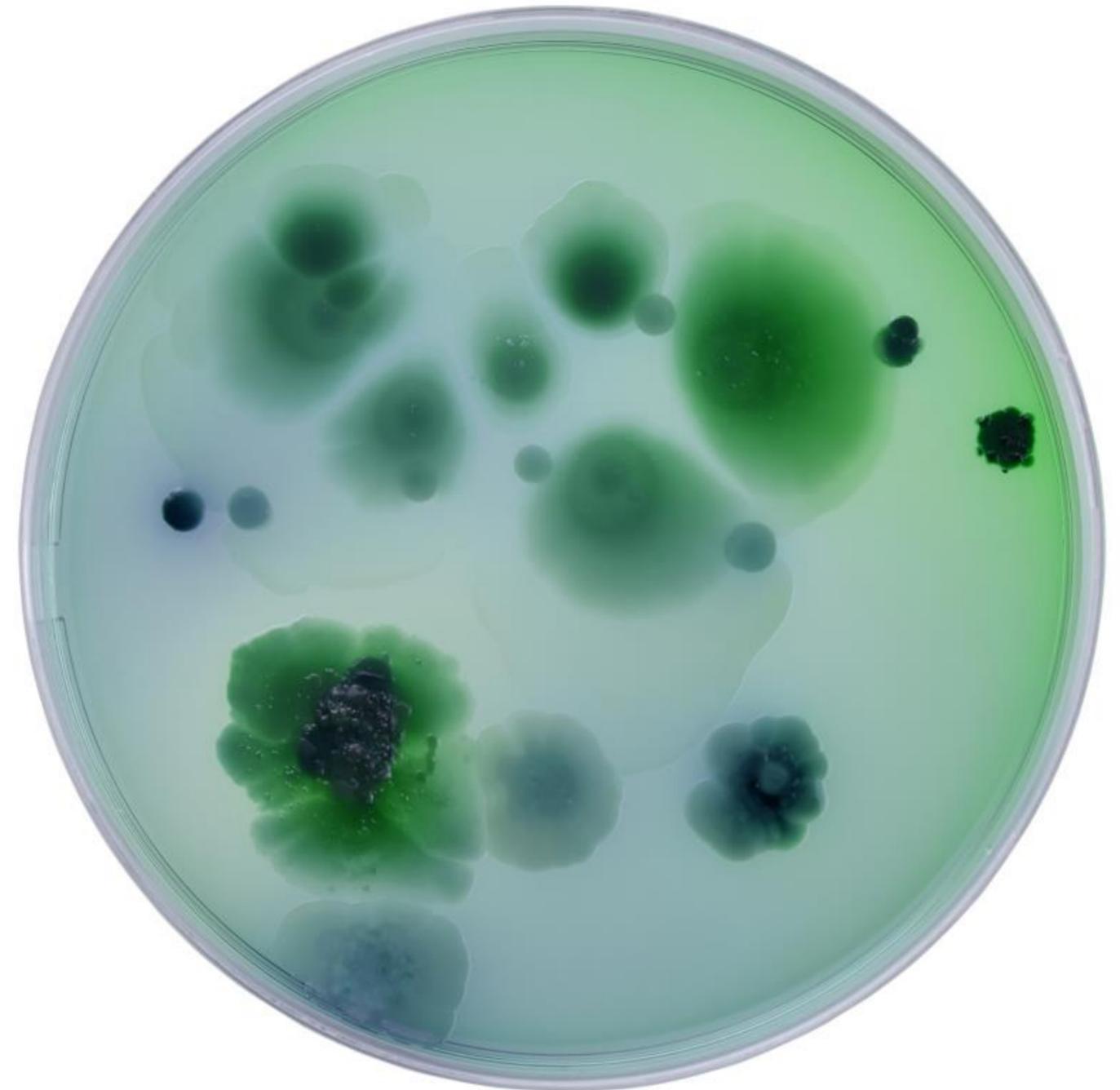
Balances Inflammatory Response* †

Supports a healthy inflammatory response, enhances immune function, and supports the body's natural defenses. [8]



Protects the Gut †

Creates a shield in the gut by enhancing the mucosal layer to protect against harmful microbes.



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*Based on a referenced study(8)

Advanced 4-Layer Probiotic Delivery Technology

1

Protect against air exposure

2

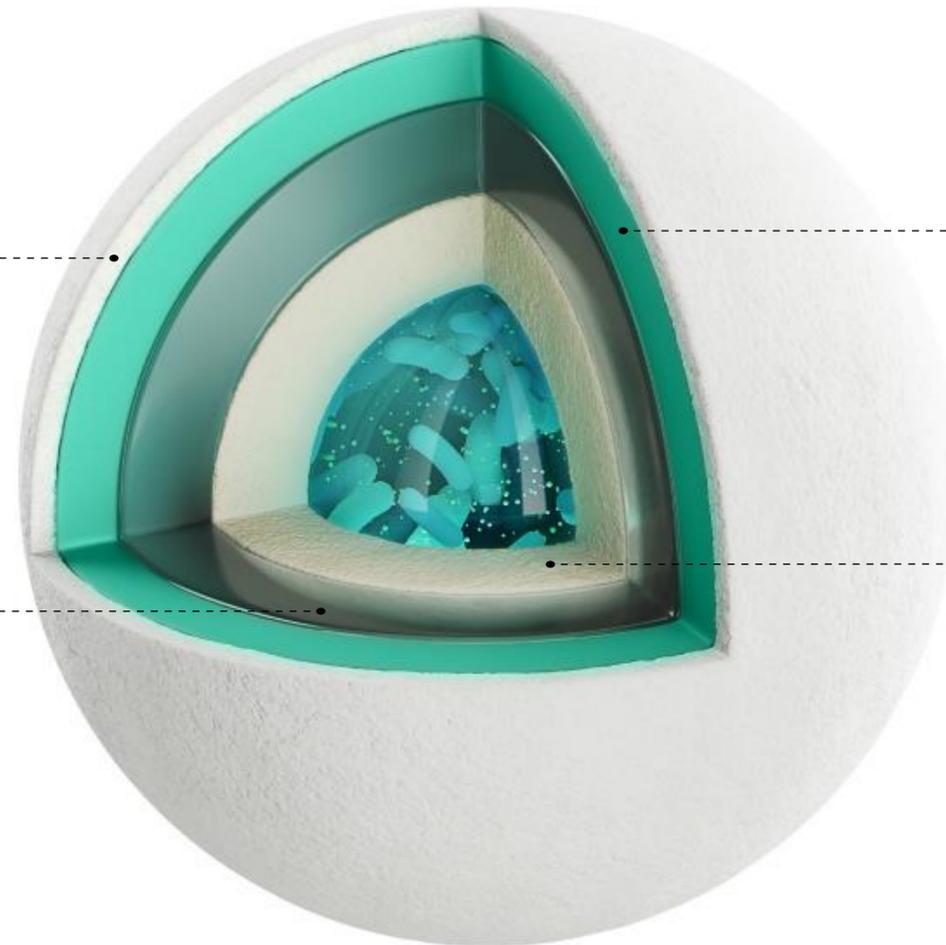
Protects against moisture

3

Supports survival in stomach acid

4

Protects against bile acids



This advanced 4-layer technology is designed to safeguard probiotics from stomach acid, maximizing their survival and enhancing their delivery to the intestines for optimal effectiveness.

Probiotics with 4-Layer Coating Have Significantly Higher Survival Rates* †



In the stomach

L. rhamnosus > 2.11x higher survival*†

B. lactis > 2.56 x higher survival*†



In the small intestine

L. rhamnosus > 5.19 x higher survival*†

B. lactis > 6.54 x higher survival*†



In the large intestine

L. rhamnosus > 10.97 higher survival*†

B. lactis > 14.97 higher survival*†

* According to the internal study conducted by the manufacturing company.
company. Results may vary.

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4-Layer Coating

Designed to:



Protection from external factors



Stability in the body's internal environment



Targeted delivery of active ingredients



Easy storage and portability

Also included in Quattrobiotic Formula

Prebiotic: Chicory Root Inulin

A polysaccharide widely found in nature. Many plants, such as chicory, dandelion, and Jerusalem artichoke, store it as an energy reserve. It is widely used in the food industry to enhance flavor and texture.

The human body lacks the enzymes to digest inulin, yet it serves as nutrition for gut microbiota. Inulin helps:



Helps support healthy glucose levels and cholesterol balance^[10] * †



May help reduce cravings for sweet and salty foods when used as part of a balanced diet [9,10] * †



May help increase the population of beneficial bacteria in the gut^[9,10] * †

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*Based on studies of inulin's properties. Individual results may vary.

Quattrobiotic Formula Helps:



Aids digestion
and nutrient absorption†



Support balanced
intestinal function†



Support a healthy
immune response†



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High concentration

12 billion CFU

per capsule



A new level
of gut microbiome care †



Quattrobiotic Formula

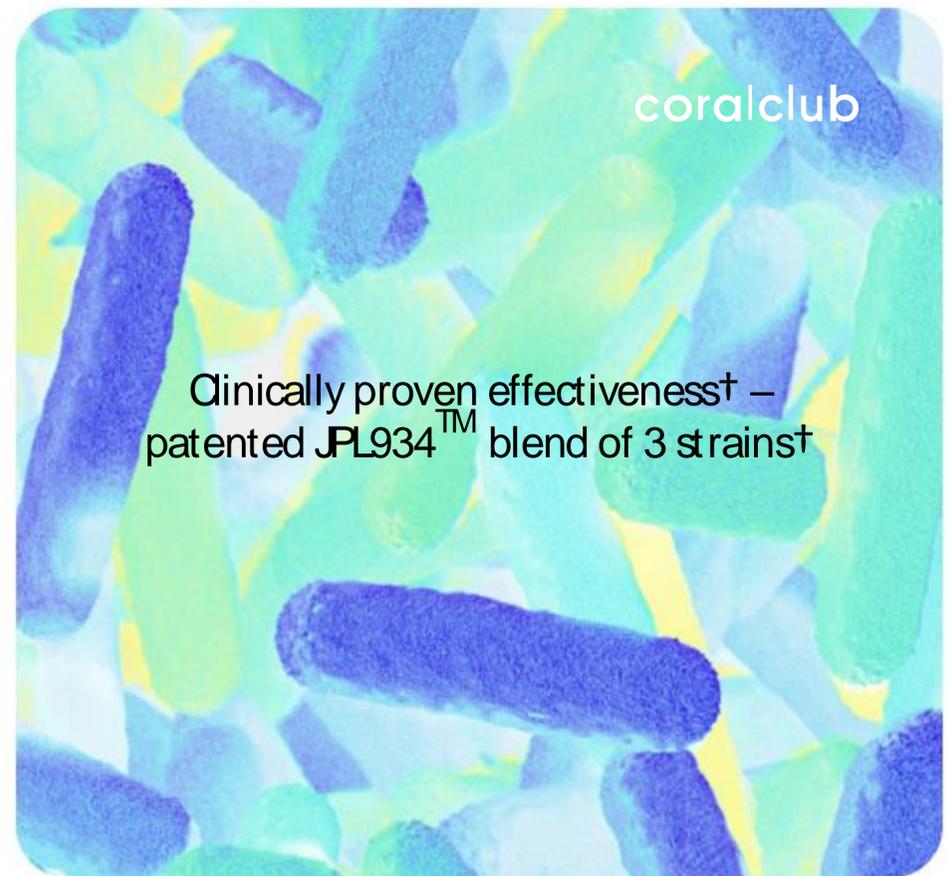
4 levels of intestinal protection†



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Clinically proven effectiveness† –
patented JPL934™ blend of 3 strains†



4-layer coating –
an innovative probiotic delivery
technology



Sources

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