



new

# It's a gut thing.



## When it comes to your probiotic, go with the research. (That's wat we did)

Let us introduce Multi-Biome™: a combination of clinically researched spore and live-strain probiotics:

### Multi-Biome™

- **Delayed-release capsule** optimizes efficacy\*
- **Desiccant-lined bottle** increases shelf stability
- **No refrigeration required**

### The only multi-source probiotic

- Combines the best of the spore-based strains and traditional live strains, **eliminating the need for taking multiple probiotics**
- All strains **supported by published research** and sequenced for specificity
- Multi-Biome™ incorporates the **latest capsule technology** to increase the live strains ability to pass the stomach acid unharmed
- Multi-Biome's non-spore *L. rhamnosus* GG and *Bifidobacterium lactis* Bi-07 strains were chosen for **histamine management benefits** PLUS their superior ability to withstand harsh environments
- Multi-Biome™ utilizes the latest desiccant lined bottle technology, reducing oxygen and moisture during storage, thus **eliminating the need for refrigeration** while improving shelf stability



# Multi-Biome™

## Multi-source probiotic

Multi-Biome™ is a combination spore and non-spore (traditional live strain) probiotic, with each strain supported by specific research. Multi-Biome™ is formulated to specifically promote healthy intestinal histamine, immune, cytokine and digestive functions. Efficacy and safety are guaranteed, as each strain is genomically sequenced.

### dosage

1 capsule – as a dietary supplement, take 1 capsule once daily or use as directed by your healthcare professional

### packaging

30 vegecaps per container

### composition

MB Complex™ 27 Billion CFU

(Bacillus Subtilis (DE111®), Lactobacillus rhamnosus (GG), Bifidobacterium lactis (Bi-07), Bacillus coagulans (SNZ1969), Bacillus coagulans (MTCC 5856), Lactobacillus salivarius (Ls-33))

**Other ingredients:** Rice dextrin, delayed release capsule (hypromellose, pectin, water), medium chain triglycerides.

**Contains:** Tree nuts (coconut)

Manufactured without milk, eggs, fish, crustacean shellfish, peanuts, wheat, soy and gluten. Produced in a facility that may process other ingredients containing these allergens.

DE111® is a registered trademark of Deerland Probiotics & Enzymes, Inc.

## Each serving includes:

Features	Constituents/ Actions	Benefits*
MB Complex	Bacillus subtilis DE111®	<ul style="list-style-type: none"> <li>• Supports healthy immune function</li> <li>• Communicates with intestinal cells to maintain healthy gut barrier function</li> <li>• Works via competitive exclusion to crowd out harmful bacteria while increasing beneficial Bifidobacterium</li> <li>• Spore-based probiotic</li> </ul>
	Lactobacillus rhamnosus GG	<ul style="list-style-type: none"> <li>• Decreases histamine levels</li> <li>• Strong adhesion to intestinal epithelial cells</li> <li>• Increases secretion of protective mucins</li> <li>• Supports digestion &amp; intestinal motility</li> <li>• Helps regulate immune function</li> <li>• High survival rate through gastric juices</li> </ul>
	Bifidobacterium lactis Bi-07	<ul style="list-style-type: none"> <li>• Supports regulation of digestion</li> <li>• Strongest immune focused probiotic</li> <li>• Important for large intestine health</li> <li>• Helps stabilize gut microbiota during antibiotic treatment</li> <li>• Decreases histamine levels</li> </ul>
	Bacillus coagulans SNZ 1969	<ul style="list-style-type: none"> <li>• Produces lactic acid which is beneficial for the digestive system</li> <li>• Spore-based probiotic</li> </ul>
	Bacillus coagulans Lactospore®	<ul style="list-style-type: none"> <li>• Works via competitive exclusion and helps regulate gastrointestinal motility</li> <li>• Spore-based probiotic</li> </ul>
	Lactobacillus salivarius Ls-33	<ul style="list-style-type: none"> <li>• Supports immune regulation and tolerance</li> <li>• Helps support healthy regulatory immune cytokines</li> <li>• Promotes healthy digestive function</li> <li>• Decreases histamine levels</li> </ul>

**Multi-Biome™ incorporates the latest capsule and bottle technology, ensuring maximum efficacy of the traditional live strains:**

- Delayed-release capsule ensures the probiotics are not released until the capsule passes beyond the stomach
- Desiccant-lined bottle to protect the non-spore (live) strains from moisture

## Mechanisms of action

- Promotes healthy microbial balance
- Decreases histamine levels in the intestine
- Promotes healthy cytokine activity
- Supports regulation of digestion
- Supports healthy immune function and immune balance
- Works via competitive exclusion of harmful bacteria

## Suggested use

As a dietary supplement, take 1 capsule once daily or use as directed by your healthcare professional.

## Cautions

If pregnant or nursing, consult your health care professional before use.

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

# Combining spore-based and non-spore (traditional live strains) probiotics

## KEY CONCEPTS

Historically, humans received their probiotics from their foods (raw or fermented vegetables). Vegetables, grains, and fruits, grown in healthy soil and eaten directly from the farm would contain soil-based probiotics. However, modern farming techniques, pesticides, herbicides and over processing have mostly eliminated any natural probiotics from vegetables found in the supermarket. Soil based probiotics, because of their ability to form a protective spore, are naturally heat-stable, dairy-free, and hormone-free. This makes them great candidates for supplementation as they do not require refrigeration and can survive through the stomach acid when ingested. Safety for humans has been established by double-blind, randomized, placebo-controlled trials.

Live strain probiotics typically found in cultured food such as yogurt, also have many proven health benefits. However, since they do not have the protection of a spore, they are much more delicate and susceptible to heat and the harsh environment in the stomach. They require special consideration when being used in a supplement to ensure efficacy.

## Probiotic comparison: spore vs. non-spore

	Non-spore (traditional)	Spore-forming
Safety record	Proven by research	Proven by research
Proliferation in GI tract	Proven by research	Proven by research
Published research in immune, intestinal, lipid, bacterial health	Yes	Yes
Work via competitive exclusion/inhibition	Yes	Yes
Degrade histamine levels	Yes – depending on strain	Yes – depending on strain
Produce lactic acid	Yes – depending on strain	Yes – depending on strain
Resistant to stomach acid and heat	No	Yes

## Which is better: spore vs. non-spore?

For optimal patient health, patients will benefit by consuming both forms.

## Why Multi-Biome™?

- Combines the best of the spore-based strains and traditional live strains, **eliminating the need for taking multiple probiotics**
- All strains **supported by published research** and sequenced for specificity
- Multi-Biome™ incorporates the **latest capsule technology** to increase the live strains ability to pass the stomach acid unharmed
- Multi-Biome's non-spore *L. rhamnosus* GG and *Bifidobacterium lactis* Bi-07 strains were chosen for **histamine management benefits** PLUS their superior ability to withstand harsh environments
- Multi-Biome™ utilizes the latest desiccant lined bottle technology, reducing oxygen and moisture during storage, thus **eliminating the need for refrigeration** while improving shelf stability.