MICROBIOMAX 100

Clinical Applications:

- Enhances immune system responsiveness
- Supports a strong and healthy gut-immune barrier
- Helps maintain balanced inflammation
- Promotes digestion and absorption of nutrients
- Supports overall gastrointestinal health and microbiome diversity

GASTROINTESTINAL SUPPORT

MicroBioMax 100 is a high-potency probiotic formula delivering 100 billion active cultures, designed for individuals experiencing significant gastrointestinal or immune challenges. Unlike standard probiotics, this advanced-dose formula supports gut and immune health on a deeper level. Research shows that high-dose probiotics can activate over 1,700 genes linked to immune and inflammatory responses—helping to strengthen the gut barrier, enhance immune function, and promote a balanced inflammatory response. MicroBioMax 100 features six clinically studied strains, carefully selected for their ability to survive the acidic GI environment and deliver maximum results where it matters most.

Overview

The gastrointestinal (GI) tract is a dynamic ecosystem housing over 500 strains of bacteria that continuously compete for space and nutrients. When this microbiome remains balanced (a state known as eubiosis), digestive and immune health is supported with minimal symptoms. However, when this balance shifts toward an overgrowth of potentially harmful microbes—known as dysbiosis—a variety of health concerns can arise. Contributing factors may include medications, alcohol use, stress, or nutrient-poor diets.

Probiotics are well-researched for their role in maintaining a balanced gut microbiome and promoting overall health. Key benefits include:

1. Replenishing beneficial bacteria after disruptions in gut flora
2. Promoting healthy and regular bowel function
3. Supporting production of short-chain fatty acids (SCFAs), which nourish intestinal lining cells
4. Enhancing the gut-immune barrier by maintaining a resilient gut mucosa
5. Aiding in the breakdown of challenging compounds such as lactose and casein
6. Assisting the detoxification of harmful substances[1]

Because probiotics are live organisms, careful formulation is essential to ensure they remain stable through the shelf life and are delivered effectively to the GI tract. MicroBioMax 100 utilizes advanced encapsulation techniques to preserve the potency of its strains. These probiotic organisms are sealed, freeze-dried, and protected from moisture, heat, light, and oxygen. Once ingested, they activate in the digestive tract, where they deliver maximum benefit.[2]

Lactobacillus acidophilus (La-14)

This strain is naturally found in the intestines and oral cavity and is often used in fermented dairy products. It ferments carbohydrates to produce lactic acid, which helps increase the bioavailability of minerals like calcium, copper, magnesium, and manganese. The lactic acid also discourages the growth of non-beneficial microbes by lowering pH.[1]

L. acidophilus also supports the intestinal barrier by competing with harmful bacteria for binding sites in the gut. The La-14 strain is specifically chosen for its resilience, with demonstrated survival through gastric acid and bile exposure, and even tolerance to certain medications.[2]

Lactobacillus paracasei (Lpc-37®)†

L. paracasei has been shown to guard the GI tract against harmful microorganisms by stimulating immune defense pathways.[3] It contributes to mucosal immunity by promoting T-helper cell activity and increasing secretory IgA (sIgA), a critical immune antibody for intestinal protection.[4] This strain is highly acid-resistant and contributes to intestinal health through the production of SCFAs.[5]

Bifidobacterium bifidum (Bb-02)†

B. bifidum is known for competing effectively with undesirable bacteria. Its production of lactic and acetic acid supports a healthy microbial balance in the intestines.[6]

Bifidobacterium lactis (Bl-04)†

Primarily found in the colon, B. lactis has been studied for its immune-supportive properties. In one clinical trial, it helped modulate immune responses in individuals with environmental allergies.[7] Other studies suggest B. lactis plays a role in improving gut integrity by reducing intestinal permeability.[8]

Lactobacillus plantarum (Lp-115)†

L. plantarum is a beneficial bacteria commonly found in traditional fermented foods like sauerkraut and sourdough. It produces bacteriocins—natural proteins that inhibit harmful bacterial growth.[9] Additionally, it supports a healthy immune response by promoting Th1-type immunity.[10]

Lactobacillus rhamnosus (GG)†

L. rhamnosus is notable for its ability to survive harsh GI conditions and adhere to the gut lining. It supports a balanced microbiome by preventing the adhesion of harmful microbes and promoting beneficial gene expression related to immunity and inflammation.[11]

Directions

Take 1 or more capsules daily, or as directed by your healthcare provider.

Does Not Contain

This product contains no gluten, corn, yeast, or artificial colors or flavors.

Cautions

If you are pregnant or nursing, consult your physician before taking this product

Supplement Facts V4

Serving Size 1 Capsule
Servings Per Container 30 & 60

	Amount Per Serving	% Daily Value
Calories	5	
Total Carbohydrate	<1 g	<1% *
Sodium	5 mg	<1%
Potassium	95 mg	2%
Proprietary Blend	423 mg (100 Billion CFU**)	
Lactobacillus acidophilus (La-14)		**
Bifidobacterium bifidum (Bb-02)		**
Lactobacillus rhamnosus (GG)		**
Bifidobacterium lactis (Bl-04)		**
Lactobacillus plantarum (Lp-115)		**
Lactobacillus paracasei (Lpc-37)		**

* Percent Daily Values are based on a 2,000 calorie diet.
** Daily Value not established.

Other Ingredients: Microcrystalline Cellulose, Hypromellose (Natural Vegetable Capsule), Silicon Dioxide and Magnesium Stearate.
++Colony Forming Units

References

1. Lipski E. Digestive Wellness. Keats Publishing; 1996. p. 60-61.
2. Danisco. Lactobacillus acidophilus La-14 probiotic identity card.
3. Bendali F, Madi N, Sadoun D. Int J Infect Dis. 2011 Nov;15(11):e787-94.
4. Chiang SS, Pan TM. Appl Microbiol Biotechno. 2012 Feb;93(3):903-16.
5. Barko PC, McMichael MA, Swanson KS, Williams DA. J Vet Intern Med. 2018 Jan;32(1):9-25. doi:10.1111/jvim.14875.
6. Fooks LJ, Gibson GR. Anaerobe. 2003 Oct;9(5):231-42.
7. Singh A, et al. Eur J Clin Nut. 2013 Feb;67(2):161-7.
8. Lewis MC, et al. Br J Nutr. 2013 Oct;110(7):1243-52.
9. Schoster A, et al. Anaerobe. 2013 Apr;20:36-41.
10. Chytilová M, et al. Res Vet Sci. 2013 Aug;95(1):103-9.
11. Evard B, et al. PLoS ONE. 2011 Apr 18;6(4):e18735.