

synthesis. **ProbioticsRecovery** floods the entire intestinal tract, where its multiple therapeutic strains embed within the mucosal lining to soothe the intestines and enhance immune performance. This can be invaluable in the recovery process for people exposed to multiple rounds of antibiotic treatment.

The delivery method for **ProbioticsRecovery** is our non-GMO, plant-sourced capsule, protected with our natural water-based PH⁵D enteric coating. This ensures the entire contents are protected from harsh stomach acids to arrive alive within the intestines for maximum therapeutic results.

Research has also shown a correlation between age-related deterioration of the immune system and a less-varied intestinal microbial community; this reinforces the importance of maintaining a dominant, diverse probiotic population for people of all ages.

Suggested use

Adults: Take 1 capsule daily or as directed by your health-care practitioner. If you are using antibiotics or antifungals, take this product at least 2–3 hours before or after them.

References

1. Basu, S., et al. "Effect of *Lactobacillus rhamnosus* GG in persistent diarrhea in Indian children: A randomized controlled trial." *Journal of Clinical Gastroenterology* Vol. 41, No. 8 (2007): 756–760.



Ingredients

Each PH⁵D natural water-based enteric-coated vegetable capsule is protected from stomach acids and delivers 100% potency of the following 20 strains of 120 billion live active healthy whole cells to the intestines:

Human Strains:

<i>Lactobacillus rhamnosus</i>	HA-111	22.86 billion CFU
<i>Lactobacillus casei</i>	HA-108.....	18.22 billion CFU
<i>Bifidobacterium infantis</i>	HA-116	4.3 billion CFU
<i>Lactobacillus salivarius</i>	HA-118	2.36 billion CFU
<i>Bifidobacterium bifidum</i>	HA-132.....	1.91 billion CFU
<i>Lactobacillus rhamnosus</i>	HA-114	960 million CFU
<i>Lactobacillus reuteri</i>	HA-188.....	700 million CFU
<i>Lactobacillus acidophilus</i>	R0418	210 million CFU
<i>Bifidobacterium longum</i> ssp. <i>longum</i>	R0175	120 million CFU
<i>Bifidobacterium breve</i>	R0070.....	120 million CFU
<i>Bifidobacterium infantis</i>	R0033.....	120 million CFU

Plant Strains:

<i>Lactobacillus plantarum</i>	HA-119	47.1 billion CFU
<i>Lactobacillus plantarum</i>	R1012.....	160 million CFU

Dairy Strains:

<i>Lactobacillus paracasei</i>	HA-196.....	17.69 billion CFU
<i>Lactobacillus rhamnosus</i>	R0011	1.55 billion CFU
<i>Lactobacillus rhamnosus</i>	R1039	1.17 billion CFU
<i>Lactobacillus helveticus</i>	R0052.....	190 million CFU
<i>Lactobacillus casei</i>	R0215	160 million CFU

<i>Streptococcus salivarius</i> ssp. <i>thermophilus</i>	R0083.....	80 million CFU
<i>Lactobacillus bulgaricus</i>	R9001	20 million CFU

CFU Cells = Colony-Forming Unit Cells. **Potency guaranteed at expiry date.**

Other ingredients: Potato starch, arabinogalactan, inulin, ascorbic acid, vegetable magnesium stearate, and silicon dioxide in a non-GMO vegetable capsule made of vegetable carbohydrate gum, water, a water-based enteric coating.

NPN 80060866 · V0528-R1

Ingredients in this formula have been validated for potency and identity, and certified free of heavy metals, pesticides and solvent residues using:

- Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)
- HPLCs with Diode Arrays UV-VIS Detectors / Refractive Index Detectors
- Gas Chromatograph/Mass Spectrometer (GC/MS)
- UV/VIS Spectrophotometer
- Headspace Gas Chromatography (organic solvent residues)
- Disintegration
- Colony-Forming Units (CFU) Validation

HP1965

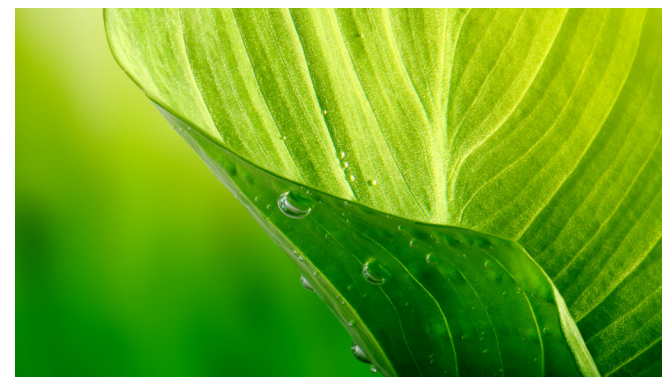


Probiotics Recovery
Sold exclusively to finer health food stores
newrootsherbal.com/store



ProbioticsRecovery

Extreme-Potency,
Broad-Spectrum Probiotic

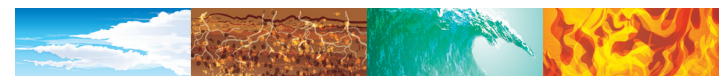
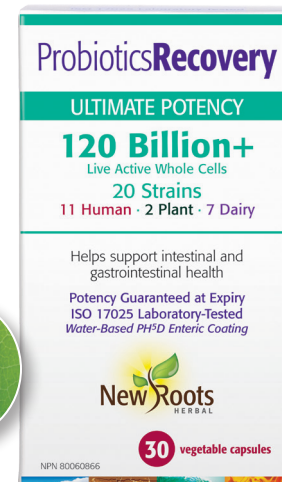


- Features 12 human, 2 plant, and 6 dairy strains
- Restores intestinal flora following antibiotic use

**Tested in our
ISO 17025**
Accredited Laboratory



newrootsherbal.com



The Importance of Human Strains

The strain selection in **ProbioticsRecovery** reflects probiotic species that deliver maximum benefits to the host organism: you. With this in mind, a probiotic does not have to be of human origin to be beneficial; however, probiotic species of human origin exhibit the capacity to survive intestinal transit. This characteristic allows them to colonize and exert their benefits at multiple sites within the entire gastrointestinal tract. **ProbioticsRecovery** includes the strength and diversity of 120 billion live probiotic cells stemming from 12 scientifically proven human probiotic strains.

Robust, Resilient *Rhamnosus*

ProbioticsRecovery contains four specific beneficial strains belonging to the therapeutic species *Lactobacillus rhamnosus*: R0039, R0011, HA-111, and HA-114.

First isolated in 1983 from the intestines of a healthy human subject, the *rhamnosus* species of the *Lactobacillus* genus is among the most-researched of all probiotics. Their tolerance for highly destructive acidic conditions within the stomach and intestines allow *rhamnosus* strains to populate the intestines in extensive amounts for noticeable therapeutic benefits. **ProbioticsRecovery** contains more than 26 billion colony-forming units sourced from this beneficial species.

These strains colonize within the mucous membranes of the intestines to exert their health benefits, which include:

- Increased lactic acid production to actively suppress growth of harmful bacteria that cause infection and disease.
- Reduced frequency of diarrhea and urinary tract infections. A study conducted in North Bengal, India, involving 235 infant patients exhibited duration of diarrhea to be 5.3 days for those treated with low-dose *Lactobacillus rhamnosus* versus 9.2 days for controls.^[1]
- Strengthened gut-barrier function for relief from autoimmune conditions including arthritis and allergies.
- Stimulation of antibodies integral for phagocytosis (destruction of invasive bacteria by ingestion).

ProbioticsRecovery additionally populates the entire gastrointestinal tract with the following 16 habitat-specific beneficial strains:

Lactobacillus acidophilus

Has the ability to embed within the intestinal mucosa and to colonize the intestinal tract, protecting it from the harmful activities of bad microorganisms. It also protects the body from bacteria and viruses, and helps the healing of vaginal infections. It decreases the production of toxins by controlling putrefactive microbes in your body.

L. helveticus

Used to reduce lactose intolerance and diarrhea, control unwanted microorganisms and intestinal bacteria, and limit the proliferation of *Candida albicans*.

L. plantarum

This potent probiotic is the driving force behind the benefits of functional foods worldwide, including kefir, sauerkraut, and kimchi. It's critical for the maintenance of healthy intestinal lining (mucosa), and to inhibit pathogenic bacteria and opportunistic yeast overgrowth. It also exhibits resistance to broad-spectrum antibiotics.

L. casei (R0215 and HA-108)

Used to treat intestinal infections; it acts by improving your immunity against bacterial and viral infections.

L. salivarius

It suppresses the growth of pathogenic (harmful) bacteria and fights flatulence.

L. paracasei

It ranks among the common inhabitants of the mucosal lining of healthy individuals, contributing to favourable intestinal acidity for great health.

L. reuteri

This potent probiotic fights infections and strengthens the immune system. It also produces the compound reuterin, which has been found to inhibit the growth of *E. coli*.

Probiotic Pioneers:

Bifido bifidum, longum, infantis, and breve

These reside in the mucosal lining of the distal part of the small intestine (ileum) and are the predominant strains to colonize the colon to support intestinal health, cleanliness, and functionality. Four of the most predominant strains of the *Bifidobacterium* probiotic family—*Bifidobacterium bifidum*, *Bifidobacterium longum*, *Bifidobacterium infantis*, and *Bifidobacterium breve*—lower serum cholesterol and dissolve bile salts. They also help in maintaining a normal and balanced intestinal flora, particularly among children and the elderly. They are instrumental for establishing a strong immune system.

The *Bifidobacterium* probiotic family performs several important functions in the intestinal tract, including the production of lactic and acetic acids, which increase the acidity of the intestines. They help in the controlling and limiting of coliforms and *Clostridia*. They also improve people's tolerance to lactose. They lower intestinal pH from 7–8 to 5–6 and prevent toxic amines. A healthy intestinal tract relies on sufficient quantities of these health-promoting friendly probiotics.

L. delbrueckii ssp. bulgaricus

Improves immunity, digestion, and lactose tolerance; reduces cholesterol; and helps in controlling intestinal infections.

Streptococcus salivarius ssp. thermophilus

Even though *S. salivarius ssp. thermophilus* does not colonize in the intestine, its enzyme (lactase) transforms lactose into lactic acid, which in turn helps control harmful bacteria. It can also produce natural antibiotic-like substances and reduces lactose intolerance.

Fuel for Probiotic Dominance: Inulin

Increases the *Bifidobacterium* probiotics population in the colon, which in turn contributes to human health in many ways. New Roots Herbal's inulin is of the highest quality and extracted from chicory root.

Inulin helps to:

- Proliferate *Bifidobacterium* probiotics and reduce detrimental bacteria.
- Reduce toxic metabolites and detrimental enzymes.
- Prevent pathogenic and autogenous diarrhea.
- Prevent constipation.
- Protect liver function.
- Produce nutrients.

Arabinogalactan

It is a prebiotic: it selectively stimulates the growth and activity of probiotic bacteria. The maintenance of a healthy microbial balance is critical to immune function, as 80% of immune-system function originates within the intestines.

Strength and Diversity

New Roots Herbal's **ProbioticsRecovery** occupies a rare niche in the high-dose probiotic category, in that it delivers the diverse, synergistic benefits of 20 therapeutic strains, with a population of 120 billion CFUs. The twenty beneficial species in **ProbioticsRecovery** include 12 human, 6 dairy, and 2 plant-sourced strains, which deliver broad therapeutic benefits throughout the entire gut. Our unique formula restores a healthy, balanced microflora, critical for nutrient assimilation and vitamin