



NutriDyn®

UltraBiotic Daily Extra Strength

High-Dose Probiotic for
Fortifying Gut Flora and Immunity*

PRACTITIONER EXCLUSIVE

UltraBiotic Daily Extra Strength Supplementation

UltraBiotic Daily Extra Strength is an advanced probiotic supplement featuring a 50:50 blend of *Lactobacillus acidophilus* and *Bifidobacterium lactis*—two of the most thoroughly studied probiotic strains.

In fact, there are actually over 50 human clinical trials on these specific strains, confirming their position as two of the leading probiotic strains in the world. The findings of these studies continue to demonstrate the synergy of *Lactobacillus acidophilus* and *Bifidobacterium lactis* for supporting healthy gut flora balance, immune function, and proper digestion of vital nutrients.*¹

UltraBiotic Daily Extra Strength contains two of the most embraced probiotic strains in above-clinical doses for balancing the gut microbiome and supporting healthy immune response.* A bevy of clinical research suggests that *Lactobacillus acidophilus* and *Bifidobacterium lactis* may:

- Support healthy gut flora balance*
- Support healthy immune function*
- Support nutrient absorption*
- Support digestive function*

How UltraBiotic Daily Extra Strength Works

For fortifying gut and immune function, UltraBiotic Daily Extra Strength provides 60 billion colony-forming units (CFU) per serving of these synergistic probiotic strains (in a 50:50 ratio), which is nearly 10 times the dose of the average probiotic supplement.* Read on to learn more about how the probiotics in UltraBiotic Daily Extra Strength work and their evidence-based benefits.

Lactobacillus acidophilus

L. acidophilus, which stands for the research laboratory it was first discovered at (“North Carolina Food Microbiology” lab), is a patented beneficial lactic acid bacteria strain often used to support lactose intolerance by promoting the digestion of simple sugars and other tough-to-digest nutrients.*²



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This strain has been shown in numerous studies to help relieve gastrointestinal discomfort by supporting a healthy balance of “friendly” intestinal microbiota.*^{3,4,5} Further research suggests that *L. acidophilus* may activate endocannabinoid and μ -opioid receptors in epithelial cells.*⁶ These receptors work to modulate pain signals in targeted tissues.

L. acidophilus is also necessary for helping the body synthesize vitamin B9 (folate) and vitamin B12, which are key for healthy nervous system function.*⁷

Bifidobacterium lactis

B. lactis is a bacterial strain that readily resists bile salts and acidic conditions (meaning it is able to withstand the harsh digestive environment of the human gut).⁸ Like *Lactobacilli*, *Bifidobacteria* aid in the digestion of lactose and are critical for producing B vitamins, which serve a myriad of vital roles in the body.*⁹

B. lactis is one of the most promising probiotic strains for supporting healthy immune response.* A 5-month, double-blind, randomized, placebo-controlled study including 465 healthy adults investigated the effect of a supplement containing *B. lactis* and *L. acidophilus* on respiratory health. Throughout the trial period, adults receiving the probiotic supplement had a significant reduction in nasal and respiratory symptoms compared to those taking a placebo.*¹⁰

Another study in 37 elderly subjects showed similar results, with the researchers finding beneficial effects of *B. lactis* on immune responses of the participants.*¹¹

Further research shows that *B. lactis* can help balance healthy gut flora by effectively “outcompeting” unwanted organisms for growth substrates.*¹²

References:

1. Fijan, S. (2014). Microorganisms with claimed probiotic properties: an overview of recent literature. *International journal of environmental research and public health*, 11(5), 4745-4767.
2. Malcolm W. Hickey, Alan J. Hillier, G. Richard Jago (1986). Transport and Metabolism of Lactose, Glucose, and Galactose in Homofermentative Lactobacilli. *Appl Environ Microbiol.*; 51(4): 825-831.
3. Rousseaux C. et al., (2007). 'Lactobacillus acidophilus modulates intestinal pain and induces opioid and cannabinoid receptors'. *Nature Medicine*, 13(1):35-7.
4. Ringel-Kulka T., et al., (2011). 'Probiotic Bacteria Lactobacillus acidophilus NCFM and Bifidobacterium lactis BI-07 Versus Placebo for the Symptoms of Bloating in Patients with Functional Bowel Disorders. A Double-blind Study'. *Journal of Clinical Gastroenterology*, 45: 518-525.
5. Sanders M. E. and Klaenhammer, T. R., (2001). 'Invited Review: The Scientific Basis of Lactobacillus acidophilus NCFM Functionality as a Probiotic'. *Journal of Dairy Science* Vol. 84(2):319-331.
6. Ringel-Kulka T., et al., (2014). 'Lactobacillus acidophilus NCFM affects colonic mucosal opioid receptor expression in patients with functional abdominal pain – a randomised clinical study'. *Aliment Pharmacological Therapy*, 40(2):200-7. doi: 10.1111/apt.12800
7. Rossi, M., Amaretti, A., & Raimondi, S. (2011). Folate production by probiotic bacteria. *Nutrients*, 3(1), 118-134.
8. Hyronimus, B., Le Marrec, C., Sassi, A. H., & Deschamps, A. (2000). Acid and bile tolerance of spore-forming lactic acid bacteria. *International journal of food microbiology*, 61(2), 193-197.
9. Karina Pokusaeva, Gerald F. Fitzgerald, Douwe van Sinderen (2011). Carbohydrate metabolism in Bifidobacteria. *Genes Nutr.*; 6(3): 285-306.
10. Cox et al., (2014). 'Effects of probiotic supplementation over 5 months on routine haematology and clinical chemistry measures in healthy active adults', *Eur J Clin Nutr.*, 68(11):1255-7. doi: 10.1038/ejcn.2014.137. Epub 2014 Jul 23.
11. Maneerat S. et al., (2013). 'Consumption of Bifidobacterium lactis BI-07 by healthy elderly adults enhances phagocytic activity of monocytes and granulocytes' *J Nutr Sci.*, 2(2):e44.
12. Engelbrektson, A.L., et al (2009) 'A randomized, double blind, controlled trial of probiotics to minimize the disruption of fecal microbiota in healthy subjects undergoing antibiotic therapy'. *Journal of Medical Microbiology*, 58:663-670

Supplement Facts

Form: 30 Capsules

Serving Size: 1 Capsule

| Ingredients: | Amount | %DV |
|---|-----------------|-----|
| <i>Lactobacillus acidophilus</i> DDS-1®†† | 30 Billion CFU† | * |
| <i>Bifidobacterium lactis</i> UABla-12™†† | 30 Billion CFU† | * |

Other Ingredients: Digestive resistant capsule (hypromellose, gellan gum), microcrystalline cellulose, vegetable magnesium stearate, silica.

† At time of manufacture.

†† DDS-1® and UABla-12™ are trademarks of Chr. Hansen.

Directions: Take one capsule daily or as directed by your healthcare practitioner.

Caution: If you are pregnant, nursing, or taking medication, consult your healthcare practitioner before use. Keep out of reach of children.



PRODUCED IN A
cGMP FACILITY



NON-GMO



GLUTEN-FREE



DAIRY-FREE



VEGETARIAN

* 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.

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