



NutriDyn™

UltraBiotic Daily Powder

Daily Probiotic + FOS for
Healthy Gut Flora Balance*

PRACTITIONER EXCLUSIVE

UltraBiotic Daily Powder Supplementation

Recent human clinical trials have shown that symptoms of gut microbe imbalance are favorably impacted by two specific strains of “friendly bacteria” (probiotics)—*Lactobacillus acidophilus* NCFM® and *Bifidobacterium lactis* Bi-07®.¹

For supporting gut microbe imbalance, UltraBiotic Daily Powder contains a 50:50 ratio of these synergistic probiotic strains, providing a hefty 15 billion colony-forming units (CFU) per serving. In addition, this formula contains prebiotic fructooligosaccharides (FOS) that give the beneficial microbes in your gut the fuel they need to grow and proliferate.*

A bevy of clinical research suggests that these ingredients may:

- Support healthy gut flora balance*
- Promote a healthy GI tract*
- Support healthy immune function*
- Support digestive function and nutrient absorption*

How UltraBiotic Daily Powder Works

Research continues to demonstrate the emerging importance of both *Lactobacillus acidophilus* NCFM® and *Bifidobacterium lactis* Bi-07® for balancing the gut microbiome, assisting the immune system, supporting nutrient absorption, and easing symptoms associated with an irritable bowel.* UltraBiotic Daily Powder takes it a step further by including prebiotic FOS in each serving that helps fortify the “good” bacteria in your gut.*

Lactobacillus acidophilus NCFM®

L. acidophilus NCFM®, 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 *L. acidophilus* NCFM® also supports the endogenous synthesis of vitamin B9 (folate) and vitamin B12, which are key for healthy nervous system function.*³

This strain has been shown in numerous clinical trials to help relieve the symptoms of discomfort that are common to people with GI issues, especially bloating, flatulence, and loose stool.*^{4,5,6}



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Several studies have also found that *L. acidophilus* NCFM® shortens colon transit time, which can help ease constipation.*^{7,8}

Further research suggests that *L. acidophilus* NCFM® may activate endocannabinoid and μ-opioid receptors in epithelial cells, promoting a healthy digestive system.*⁹

***Bifidobacterium lactis* Bi-07®**

B. lactis Bi-07® 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).¹⁰ 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.*¹¹

B. lactis Bi-07® 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* Bi-07® and *L. acidophilus* NCFM® 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.*¹²

Another study in 37 elderly subjects showed similar results, with the researchers finding beneficial effects of *B. lactis* Bi-07® on immune responses of the participants.*¹³

Fructooligosaccharides (FOS)

FOS act as prebiotics by stimulating growth of healthy gastrointestinal (GI) bacteria.¹⁴ They're also low-calorie and have been shown to support healthy lipid levels, blood sugar levels already in the healthy range, and digestive enzyme function.*^{15,16}

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. Rossi, M., Amaretti, A., & Raimondi, S. (2011). Folate production by probiotic bacteria. *Nutrients*, 3(1), 118-134.
4. Rousseaux C. et al., (2007), 'Lactobacillus acidophilus modulates intestinal pain and induces opioid and cannabinoid receptors'. *Nature Medicine*, 13(1):35-7.
5. Ringel-Kulka T., et al., (2011). 'Probiotic Bacteria Lactobacillus acidophilus NCFM and Bifido bacterium 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.
6. 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.
7. Magro, D.O., et al., (2014). 'Effect of yogurt containing polydextrose, Lactobacillus acidophilus NCFM and Bifidobacterium lactis HN019: a randomized, double-blind, controlled study in chronic constipation'. *Nutrition Journal*, 13:75.
8. Faber, S.M., (2000). 'Treatment of abnormal gut flora improves symptoms in patients with irritable bowel syndrome'. *American Journal of Gastroenterology*, 95(9):2533.
9. 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
10. 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.
11. Karina Pokusaeva, Gerald F. Fitzgerald, Douwe van Sinderen (2011). Carbohydrate metabolism in Bifidobacteria. *Genes Nutr.*; 6(3): 285-306.
12. 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.
13. 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.
14. Xu, Z. R., Hu, C. H., Xia, M. S., Zhan, X. A., & Wang, M. Q. (2003). Effects of dietary fructooligosaccharide on digestive enzyme activities, intestinal microflora and morphology of male broilers. *Poultry science*, 82(6), 1030-1036.
15. Schulze, M. B., Liu, S., Rimm, E. B., Manson, J. E., Willett, W. C., & Hu, F. B. (2004). Glycemic index, glycemic load, and dietary fiber intake and incidence of type 2 diabetes in younger and middle-aged women. *The American journal of clinical nutrition*, 80(2), 348-356.
16. Anderson, J. W. (1985, November). Physiological and metabolic effects of dietary fiber. In *Federation proceedings* (Vol. 44, No. 14, pp. 2902-2906).

Supplement Facts

Form: Powder

Serving Size: About ¼ Teaspoon (0.75 g)

Ingredients:	Amount	%DV
<i>Lactobacillus acidophilus</i> NCFM®††	7.5 Billion CFU†	*
<i>Bifidobacterium lactis</i> Bi-07®††	7.5 Billion CFU†	*
Fructooligosaccharides (FOS)	420 mg	*

Other Ingredients: Rice maltodextrin.

† At time of manufacture.

†† NCFM® and Bi-07® are registered trademarks licensed by DuPont.

Directions: Mix ¼ teaspoon (0.75 g) with 4-6 ounces of unchilled water one to two times 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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