NutriDyn

UltraBiotic **Daily Multi-Strain**

Multi-Strain Probiotic Blend for a Healthy Gut Microbiome*

UltraBiotic Daily Multi-Strain Supplementation

UltraBiotic Daily Multi-Strain is one of the most comprehensive probiotic supplements on the market, featuring a seven-strain blend of "friendly" microbial organisms (known as probiotics).*

Clinical research continues to demonstrate the proclivity of the probiotics in UltraBiotic Daily Multi-Strain to support a healthy human gastrointestinal (GI) tract and gut flora.⁺¹ Moreover, a growing body of evidence suggests that these probiotics support the immune system, promote healthy hormone functions, aid nutrient digestion, and even support healthy body mass. \$2,3,4 These tiny life-forms also encourage healthy neurotransmitter production, which has an impact on how we feel and think throughout the day.⁴⁵

UltraBiotic Daily Multi-Strain contains some of the most embraced probiotic strains for human wellness, with clinical evidence suggesting these beneficial microorganisms may:

- Support a healthy gut microbiome*
- Aid macronutrient and micronutrient digestion*
- Support a healthy inflammatory response*
- Support healthy immune function*
- Promote healthy bowel function*

How UltraBiotic Daily Multi-Strain Works

UltraBiotic Daily Multi-Strain contains 30 billion colony-forming units (CFU) of a potent seven-strain blend of beneficial probiotics per serving to promote gut health and overall wellness.*

Lactobacillus acidophilus

L. acidophilus is a beneficial lactic acid bacteria strain often used to promote and support a healthy gut microbe balance, thus supporting the digestion of simple sugars and other tough-to-digest nutrients.⁴⁶

This strain has been shown in numerous clinical trials to help relieve the symptoms of GI discomfort, especially bloating, flatulence, and loose stool.^{47,8,9} Several studies have also found that *L. acidophilus* shortens colon transit time and may activate certain receptors that ease colon discomfort associated with constipation.*10,11,12





NON-GMO

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How UltraBiotic Daily Multi-Strain Continued

Bifidobacterium lactis

B. lactis is a bacterial species that readily resists bile salts and acidic conditions (meaning it is able to withstand the harsh digestive environment of the human gut).¹³ 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.⁴¹⁴

B. lactis is one of the most promising probiotic strains for supporting healthy immune response. A recent well-designed study involving 465 healthy adults compared the effects of two probiotic supplements on the risk of colds and respiratory infections, one containing B. lactis plus L. acidophilus and one containing B. lactis.

Throughout the trial period, adults receiving the B. lactis plus L. acidophilus probiotic supplement had a significantly lower risk of contracting an upper respiratory tract infection (URTI), and those taking the B. lactis probiotic supplement were even less likely to contract a URTI.¹⁵ Another study of 37 elderly subjects showed similar results, with the researchers finding beneficial effects of *B. lactis* on the immune responses of the participants.⁺¹⁶ Further research shows that B. lactis strains can help balance a healthy gut flora.^{\$17}

Lactobacillus plantarum & Lactobacillus gasseri

L. plantarum helps promote a healthy gastrointestinal tract environment and supports mineral absorption.* A well-controlled study in 24 healthy women showed that L. plantarum supplementation increased iron absorption by 80% when consumed with a meal containing high amounts of phytic acid (a compound that hinders iron absorption).¹⁸ L. plantarum appears to expose iron molecules to the intestinal lining for an extended duration, thereby increasing intestinal absorption.* L. gasseri works in a similar fashion as L. plantarum to aid digestion of both macronutrients and micronutrients.*

Bacillus coagulans

B. coagulans is an integral bacterium in human flora and is particularly important for digestion.⁺ It also appears to work in conjunction with other strains to support healthy bacteria.*

Saccharomyces boulardii

Saccharomyces boulardii is a nonpathogenic yeast strain. A contemporary meta-analysis contends that Saccharomyces boulardii supports gastrointestinal integrity by promoting healthy inflammatory responses in the intestines and colon of humans.⁺¹⁹

upplement Facts

Serving Size: 1 Capsule Servings Per Container: 30/60

Amou	unt Per Serving	%DV
accharomyces boulardii Lynside®††	5 Billion CFU [†]	
actobacillus reuteri LRC®†††	5 Billion CFU [†]	
fidobacterium lactis UABIa-12™†††	4.167 Billion CFU †	
actobacillus plantarum UALp-05™†††	4.167 Billion CFU †	
actobacillus acidophilus UALa-01™†††	4.167 Billion CFU †	
actobacillus gasseri UALg-05™†††	4.167 Billion CFU †	
acillus coagulans UABc-20™†††	4.167 Billion CFU [†]	

Other Ingredients: Hypromellose, vegetable magnesium stearate, silica.

^{+†} Lynside[®] is a registered trademark of Lesaffre et Compagnie, S.A.

^{†††} These 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, Keep out of reach of children.

References:

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- 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.
- Turnbaugh, P. J., & Gordon, J. I. (2009). The core gut microbiome, energy balance and obesity. The Journal of physiology, 587(17), 4153-4158.
- Evans, J. M., Morris, L. S., & Marchesi, J. R. (2013). The gut microbiome: the role of a virtual organ in the endocrinology of the host. Journal of Endocrinology, 218(3), R37-R47.
- Kau, A. L., Ahern, P. P., Griffin, N. W., Goodman, A. L., & Gordon, J. I. (2011). Human nutrition, the gut microbiome and the immune system. Nature, 474(7351), 327-336. Quigley, E. M. (2010). Prebiotics and probiotics; modifying and mining the microbiota. *Pharmacological research*, 61(3), 213-218.

- 213-212.
 6. 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.
 7. Rousseaux C. et al., (2007). 'Lactobacillus acidophilus modulates intestinal pain and induces opioid and cannabinoid receptors'. Nature Medicine, 13(1):35-7.
 8. Ringel-Kulka T., et al., (2011). 'Probiatic 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.
 9. Sanders M. E., and Klaenhammer, T. R., (2001). 'Invited Review: The Scientific Basis of Lactobacillus acidophilus NCFM Functionality as a Probiatic'. Journal of Dairy Science Vol. 84(2):319-331.
 10. Maora. Do. et al. (2014). 'Effect of yoquiru containing polydextrose, Lactobacillus acidophilus NCFM and Bifidobacte
- 10. Magro, D.O., et al., (2014). 'Effect of yogurt containing polydextrose, Lactobacillus acidophilus NCFM and Bifidobacte

- ium lactis HN019: a randomized, double-blind, controlled study in chronic constipation'. Nutrition Journal, 13:75 Faber, S.M., (2000). 'Treatment of abnormal gut flora improves symptoms in patients with irritable bowel syndrome'. American Journal of Gastroenterology, 95(9):2533.
- 12. Ringel-Kulka T., et al., (2014). 'Lactobacillus acidophilus NCFM affects colonic mucosal opioid receptor expression in patients functional abdominal pain - a randomised clinical study'. Aliment Pharmacological Therapy., 40(2):200-7. doi: 10.1111/ apt.12800
- 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.
- 14. Karina Pokusaeva, Gerald F. Fitzgerald, Douwe van Sinderen (2011). Carbohydrate metabolism in Bifidobacteria. Genes Nutr. 6(3): 285-306
- 6(3): 285–306.
 15. Cox et al., (2014). 'Effects of probiotic supplementation over 5 months on routine haematology and clinical chemistry measure: in healthy active adults, *Eur J Clin Nutr.*, 68(11):1255-7. doi: 10.1038/ejcn.2014.137. Epub 2014. Jul 23.
 16. Maneerat S. et al., (2013). 'Consumption of Bifdobacterium lactis Bi-07 by healthy elderly adults enhances phagocytic activity of monocytes and granulocytes' *J Nutr.*, 58(11):1255-7. doi: 10.1038/ejcn.2014.137. Epub 2014. Jul 23.
 17. Engelbrektson, AL, 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.
 18. Bering S. et al., (2006), 'A lactic acid-fermented oat gruel increases non-haem iron absorption from a phytate-rich meal in healthy women of childbearing age' *British Journal of Nutrition*, 96:80-85.
 19. McFardinal, L. V (2010). Systematic review and mate-nonphysis of Sacchargmyces baulardii in adulti patients. *World journal of*.

- McFarland, L. V. (2010). Systematic review and meta-analysis of Saccharomyces boulardii in adult patients. World journal of gastroenterology: WJG, 16(18), 2202.

• 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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