

UltraBiotic Complete

Comprehensive Probiotic Blend
for a Healthy Gut Microbiome*

UltraBiotic Complete Supplementation

UltraBiotic Complete is a probiotic supplement made with a comprehensive seven-strain blend of gut-supporting microbial organisms (known as probiotics).* Probiotics support healthy gut flora to promote a healthy gastrointestinal (GI) tract.* Moreover, probiotics may help support the immune system, promote healthy hormone functions, and even support healthy body mass.*^{1,2,3}

UltraBiotic Complete contains some of the most embraced microbial strains for human wellness. These beneficial probiotics may:

- Support a healthy gut microbiome*
- Support a healthy inflammatory response*
- Support immune function*
- Support digestive function*

How UltraBiotic Complete Works

Probiotics support a healthy gut microbiome and promote a healthy gastrointestinal tract, which may help support healthy nutrition.⁴ Moreover, probiotics promote healthy gut cell membranes and function by supporting the immune system and enhancing nutrient absorption from food.*^{5,6} These tiny life-forms also encourage healthy neurotransmitter production, which has an impact on how we feel and think throughout the day.*⁷

UltraBiotic Complete contains 22 billion colony-forming units (CFU) of a potent seven-strain blend of probiotics per serving to promote gut health and overall wellness.*

Lactobacillus acidophilus* & *Lactobacillus rhamnosus

L. acidophilus is a beneficial lactic acid bacterium often used to treat lactose intolerance and general gut microbe imbalances; it is also necessary for synthesizing vitamin B9 (folate) within the body.*⁸

Similar to *L. acidophilus*, *L. rhamnosus* helps promote the digestion of lactose by producing the lactase enzyme, as well as folate and vitamin B12—two vitamins that are key for healthy nervous system function.*⁹

Bifidobacterium lactis* & *Bifidobacterium bifidum

B. lactis is a bacterium 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 many vital roles in the body.¹¹



How UltraBiotic Complete Works Continued

In addition to vitamin synthesis, *B. bifidum* is widely used to normalize gut bacteria function.* It has been shown to significantly promote a healthy digestive system and stool consistency.*¹² *B. bifidum* has a range of enzymes that help digest many different oligosaccharides (small-chain sugars), which in turn allows the body to break down otherwise indigestible nutrients.

Lactobacillus plantarum

L. plantarum promotes a healthy gastrointestinal tract environment and proper 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).¹³ It is surmised that this effect is due to *L. plantarum* exposing iron molecules to the intestinal lining for an extended duration and therefore promoting intestinal absorption.* Other significant findings suggest *L. plantarum* can help support healthy immune function.*¹⁴

Lactobacillus paracasei

L. paracasei is an integral bacterium in human flora and is particularly important for digesting oligosaccharides and supporting immune function.*^{15,16}

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 in humans.*¹⁷

Supplement Facts

Serving Size: 1 Capsule
Servings Per Container: 60

	Amount Per Serving	%DV
<i>Lactobacillus paracasei</i> UALpc-04™††	5.926 Billion CFU†	*
<i>Bifidobacterium lactis</i> UABla-12™††	5.185 Billion CFU†	*
<i>Lactobacillus acidophilus</i> UALa-01™††	4.444 Billion CFU†	*
<i>Lactobacillus plantarum</i> UALp-05™††	2.963 Billion CFU†	*
<i>Saccharomyces boulardii</i> Lynside®†††	2 Billion CFU†	*
<i>Bifidobacterium bifidum</i> UABb-10™††	0.741 Billion CFU†	*
<i>Lactobacillus rhamnosus</i> UALr-06™††	0.741 Billion CFU†	*

Other Ingredients: Microcrystalline cellulose, digestive resistant capsule (hypromellose, gellan gum), vegetable magnesium stearate.

† At time of manufacture.

†† These trademarks are the property of UAS Labs.

††† Lynside® is a registered trademark of Gnosis S.p.A.

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.

References:

1. Turnbaugh, P. J., & Gordon, J. I. (2009). The core gut microbiome, energy balance and obesity. *The Journal of physiology*, 587(17), 4153-4158.
2. 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.
3. 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.
4. 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.
5. Fooks, L. J., & Gibson, G. R. (2002). Probiotics as modulators of the gut flora. *British Journal of Nutrition*, 88(S1), s39-s49.
6. Gareau, M. G., Sherman, P. M., & Walker, W. A. (2010). Probiotics and the gut microbiota in intestinal health and disease. *Nature Reviews Gastroenterology and Hepatology*, 7(9), 503-514.
7. O'mahony, S. M., Clarke, G., Borre, Y. E., Dinan, T. G., & Cryan, J. F. (2015). Serotonin, tryptophan metabolism and the brain-gut-microbiome axis. *Behavioural brain research*, 277, 32-48.
8. Rossi, M., Amaretti, A., & Raimondi, S. (2011). Folate production by probiotic bacteria. *Nutrients*, 3(1), 118-134.
9. 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.
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. Whorwell, P. J., Altringer, L., Morel, J., Bond, Y., Charbonneau, D., O'mahony, L., ... & Quigley, E. M. (2006). Efficacy of an encapsulated probiotic Bifidobacterium bifidum 35624 in women with irritable bowel syndrome. *The American journal of gastroenterology*, 101(7), 1581-1590.
13. 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.
14. Cunningham-Rundles S. et al., (2000). 'Probiotics and immune response'. *Am J Gastroenterol.*, 95:S22-25.
15. Makras, L., Van Acker, G., & De Vuyst, L. (2005). *Lactobacillus paracasei* subsp. *paracasei* 8700: 2 degrades inulin-type fructans exhibiting different degrees of polymerization. *Applied and environmental microbiology*, 71(11), 6531-6537.
16. Smokvina, T., Wels, M., Polka, J., Chervaux, C., Brisse, S., Boekhorst, J., ... & Siezen, R. J. (2013). *Lactobacillus paracasei* comparative genomics: towards species pan-genome definition and exploitation of diversity. *PLoS One*, 8(7), e68731.
17. 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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