

# FeminaFlora Oral

30 enteric coated vegetables capsules / Code FE2286



A combination of 16 bacterial strains particularly specified for the vaginal zone. The product contains 55 billion living microorganisms per capsule.

The GPS™ natural water-based enteric-coated vegetable capsule protects contents from stomach acids. The capsule only dissolves in the intestinal pH, which allows that the capsule content is delivered with 100% potency.

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**FORMAT:** 30 enteric coated vegetables capsules

## FORMULA

**Ingredients:** Potato starch, bacterial culture (55 billion live active healthy cells per capsule; see nutritional information), inulin (from chicory root, *Cichorium intybus*), arabinogalactan (from *Larix laricina*), antioxidant (sodium L-ascorbate), anticaking agent (magnesium salts of fatty acids), GPS™ enteric-coated vegetable capsule (glazing agent: hydroxypropylmethylcellulose; aqueous enteric-coating solution; purified water).

<b>Nutritional information:</b>	<b>1 capsule</b>
<b>Human strains:</b>	
<i>Lactobacillus rhamnosus</i> UB5115	19,000 billion CFU
<i>Lactobacillus acidophilus</i> UB5997	5.250 billion CFU
<i>Lactobacillus casei</i> UB1499	12.000 billion CFU
<i>Bifidobacterium bifidum</i> UB4280	2.000 billion CFU
<i>Bifidobacterium breve</i> UB8674	2.000 billion CFU
<i>Bifidobacterium longum</i> UB7691	2.000 billion CFU
<i>Lactobacillus crispatus</i> UB4719	0,750 billion CFU
<i>Lactobacillus gasseri</i> UB8141	0,750 billion CFU
<i>Lactobacillus rhamnosus</i> GG	0,300 billion CFU
<i>Lactobacillus acidophilus</i> LA-14	0,300 billion CFU
<b>Plant strain:</b>	
<i>Lactobacillus plantarum</i> UB2783	8.000 billion CFU
<b>Dairy strains:</b>	
<i>Lactobacillus casei</i> LC-11	0,300 billion CFU
<i>Lactobacillus helveticus</i> UB7229	0,500 billion CFU
<i>Lactobacillus paracasei</i> UB1978	0,600 billion CFU
<i>Lactobacillus johnsonii</i> UB3394	0,750 billion CFU
<i>Lactobacillus reuteri</i> UB2419	0,500 billion CFU
Inulin	10 mg
Arabinogalactan (AOS)	10 mg

CFU: Colony-Forming Unit Cells

## Cautions:

Consult with a professional before using this product if you have nausea, fever, vomiting, bloody diarrhoea or severe abdominal pain; or if you have a special medical condition; or if you have an immunocompromised condition (e.g. lymphoma or AIDS). Discontinue use if symptoms of digestive upset persist beyond 3 days.

## Recommended daily dose:

1-2 capsules daily.

If you are taking antibiotics, take this product at least 2-3 hours before or after taking them. Do not exceed the stated recommended daily dose.

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## Indications and uses:

- It helps maintain balanced vaginal flora.
- Vaginal infections caused by yeast (candidiasis) or bacteria (vaginosis).
- Prevention of recurring vaginal infections from both yeast and bacteria (ideal for prolonged use).

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## DETAILS:

FeminaFlora Oral is characterized by its selection of scientifically proven probiotic strains and complementary natural prebiotics. It's the ideal product for maintaining balanced vaginal flora and fighting vaginal infections.

Each capsule of FeminaFlora Oral offers over 55 billion live cells, with 16 beneficial strains (10 of human origin, 5 dairy and 1 plant-derived). It contains over 31 billion CFUs of *Lactobacillus rhamnosus* and *Lactobacillus casei*. These 2 human strains are predominant in the vaginal flora and generate lactic acid, acidifying the vaginal pH and preventing the proliferation of pathogenic bacteria and yeasts. This formula also includes *Lactobacillus crispatus* and *Lactobacillus gasseri*, two of the most common probiotics in the vaginal flora, in addition to *Bifidobacterium breve* and *Lactobacillus johnsonii*. Our formula also includes two *Bifidobacterium* species that typically reside in the colon and that reinforce the immune system.

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## INGREDIENTS:

A healthy intestinal balance of *Lactobacillus* and *Bifidobacterium* is essential for replacing harmful microorganisms and creating an intestinal environment that suppresses excessive growth of opportunist microorganisms. The vagina shares many species of *Lactobacillus* with the intestine; these beneficial strains generate lactic acid which inhibits both infection by *Candida* and *bacterial vaginosis*.

Diverse clinical trials have shown that orally administered *Lactobacillus* (*rhamnosus*, *gasseri*, *crispatus*, *reuteri*, *plantarum*, *acidophilus*) populates the vaginal mucosa within one week<sup>(1-7)</sup>. The administration of *Lactobacillus rhamnosus* and *L reuteri* together with antibiotic therapy (metronidazole) improves outcomes in bacterial vaginosis<sup>(8-9)</sup>. *Lactobacillus gasseri* and *Lactobacillus johnsonii* generate lactic acid and hydrogen peroxide, which are able to eliminate pathogens associated with vaginosis<sup>(10-12)</sup>. *Lactobacillus crispatus* is able to inhibit growth of *Candida albicans* that causes vaginal candidiasis<sup>(13-14)</sup>.

FeminaFlora Oral contains additional *Lactobacillus* species that reinforce the broad spectrum of benefits of the diverse formula.

Our formula also contains over 4 billion CFUs of *Bifidobacterium bifidum* and *Bifidobacterium longum*<sup>(15-20)</sup>; these probiotic species typically reside in the colon where they strengthen immune system performance.

**INULIN:** A fructooligosaccharide (FOS) from plants, extracted from the chicory root (*Cichorium intybus*). It acts as a prebiotic, creating an appropriate environment for probiotics, or beneficial microorganisms, to reproduce faster and in larger quantities<sup>(21-23)</sup>. It increases the population of *Bifidobacterium* probiotics in the colon and reduces toxic metabolites and harmful enzymes. It prevents pathological and autogenous diarrhoea as well as constipation and protects liver function<sup>(24)</sup>.

**ARABINOGALACTAN:** A plant-based arabinooligosaccharide (AOS), sourced from the alerce tree (*Larix laricina*). It's an excellent prebiotic since it increases the production of short-chain fatty acids, mainly butyrate, which acts as an energy substrate for the epithelial cells of the colon and as protection for the intestinal mucosa. It activates immune response and selectively stimulates the growth and activity of probiotic bacteria<sup>(25)</sup>. It's useful for combating infections because of its capacity to decrease bacterial adherence<sup>(26-27)</sup>. Additionally, it reduces the intestinal pH and improves mineral absorption<sup>(28-30)</sup>.

## References:

- 1) Reid, Gregor, et al. "Oral use of *Lactobacillus rhamnosus* GR-1 and *L. fermentum* RC-14 significantly alters vaginal flora: randomized, placebo-controlled trial in 64 healthy women." *FEMS Immunology & Medical Microbiology* 35.2 (2003): 131-134.
- 2) Petricevic, Ljubomir, et al. "Randomized, double-blind, placebo-controlled study of oral lactobacilli to improve the vaginal flora of postmenopausal women." *European Journal of Obstetrics & Gynecology and Reproductive Biology* 141.1 (2008): 54-57.
- 3) Grewal, Nipunjot, Amita Mahajan, and Jagminder Kaur Bajaj. "The Effect of Supplementation of Standard Antibiotic Therapy with Oral Probiotics for Bacterial Vaginosis." *International Journal of Medical and Dental Sciences* 7.1 (2018): 1628-1631.
- 4) Reid, Gregor, et al. "Oral probiotics can resolve urogenital infections." *FEMS Immunology & Medical Microbiology* 30.1 (2001): 49-52.
- 5) Strus, Magdalena, et al. "Studies on the effects of probiotic *Lactobacillus* mixture given orally on vaginal and rectal colonization and on parameters of vaginal health in women with intermediate vaginal flora." *European Journal of Obstetrics & Gynecology and Reproductive Biology* 163.2 (2012): 210-215.
- 6) Hilton, Eileen, et al. "Ingestion of yogurt containing *Lactobacillus acidophilus* as prophylaxis for candidal vaginitis." *Annals of Internal Medicine* 116.5 (1992): 353-357.
- 7) Reid, Gregor, et al. "Probiotic *Lactobacillus* dose required to restore and maintain a normal vaginal flora." *FEMS Immunology & Medical Microbiology* 32.1 (2001): 37-41.
- 8) Anukam, Kingsley, et al. "Augmentation of antimicrobial metronidazole therapy of bacterial vaginosis with oral probiotic *Lactobacillus rhamnosus* GR-1 and *Lactobacillus reuteri* RC-14: randomized, double-blind, placebo controlled trial." *Microbes and Infection* 8.6 (2006): 1450-1454.
- 9) Grewal, Nipunjot, Amita Mahajan, and Jagminder Kaur Bajaj. "The Effect of Supplementation of Standard Antibiotic Therapy with Oral Probiotics for Bacterial Vaginosis." *International Journal of Medical and Dental Sciences* 7.1 (2018): 1628-1631.
- 10) Atassi, Fabrice, and Alain L. Servin. "Individual and co-operative roles of lactic acid and hydrogen peroxide in the killing activity of enteric strain *Lactobacillus johnsonii* NCC933 and vaginal strain *Lactobacillus gasseri* KS120. 1 against enteric, uropathogenic and vaginosis-associated pathogens." *FEMS microbiology letters* 304.1 (2010): 29-38.
- 11) Otero, María Claudia, and María E. Nader-Macías. "Inhibition of *Staphylococcus aureus* by H<sub>2</sub>O<sub>2</sub>-producing *Lactobacillus gasseri* isolated from the vaginal tract of cattle." *Animal reproduction science* 96.1-2 (2006): 35-46.
- 12) Phukan, Niha, Anna ES Brooks, and Augusto Simoes-Barbosa. "A cell surface aggregation-promoting factor from *Lactobacillus gasseri* contributes to inhibition of *Trichomonas vaginalis* adhesion to human vaginal ectocervical cells." *Infection and immunity* 86.8 (2018): e00907-17.
- 13) Wang, Shuai, et al. "Antimicrobial compounds produced by vaginal *Lactobacillus crispatus* are able to strongly inhibit *Candida albicans* growth, hyphal formation and regulate virulence-related gene expressions." *Frontiers in microbiology* 8 (2017): 564.
- 14) Niu, Xiao-Xi, et al. "*Lactobacillus crispatus* modulates vaginal epithelial cell innate response to *Candida albicans*." *Chinese medical journal* 130.3 (2017): 273.
- 15) Fu, Yu-Rong, et al. "Effects of *Bifidobacterium bifidum* on adaptive immune senescence in aging mice." *Microbiology and immunology* 54.10 (2010): 578-583.
- 16) De Vrese, Michael, et al. "Probiotic bacteria reduced duration and severity but not the incidence of common cold episodes in a double blind, randomized, controlled trial." *Vaccine* 24.44 (2006): 6670-6674.
- 17) Park, Ji-Hee, et al. "Encapsulated *Bifidobacterium bifidum* potentiates intestinal IgA production." *Cellular immunology* 219.1 (2002): 22-27.
- 18) Makioka, Yuko, et al. "Oral supplementation of *Bifidobacterium longum* strain BR-108 alters cecal microbiota by stimulating gut immune system in mice irrespectively of viability." *Bioscience, biotechnology, and biochemistry* (2018): 1-8.
- 19) Inturri, Rosanna, et al. "Immunomodulatory Effects of *Bifidobacterium longum* W11 Produced Exopolysaccharide on Cytokine Production." *Current pharmaceutical biotechnology* 18.11 (2017): 883-889.
- 20) Laparra, José Moisés, et al. "*Bifidobacterium longum* CECT 7347 modulates immune responses in a gliadin-induced enteropathy animal model." *PLoS One* 7.2 (2012): e30744.
- 21) Institute of Food Technologists (IFT). What are fructooligosaccharides and how do they providedigestive, immunity and bonehealthbenefits?. *ScienceDaily* (2013).
- 22) Gibson, Glenn R. "Dietary modulation of the human gut microflora using the prebiotics oligofructose and inulin." *The Journal of nutrition* 129.7 (1999): 1438S-1441S.
- 23) Flamm, Gary, et al. "Inulin and oligofructose as dietary fiber: a review of the evidence." *Critical reviews in food science and nutrition* 41.5 (2001): 353-362.
- 24) Cardarelli, Haïssa R., et al. "Inulin and oligofructose improve sensory quality and increase the probiotic viable count in potentially synbiotic petit-suisse cheese." *LWT-Food Science and Technology* 41.6 (2008): 1037-1046.
- 25) Robinson, Ramona R., Joellen Feirtag, and Joanne L. Slavin. "Effects of dietary arabinogalactan on gastrointestinal and blood parameters in healthy human subjects." *Journal of the American College of Nutrition* 20.4 (2001): 279-285.
- 26) Gibson, Glenn R. "Dietary modulation of the human gut microflora using the prebiotics oligofructose and inulin." *The Journal of nutrition* 129.7 (1999): 1438S-1441S.
- 27) Flamm, Gary, et al. "Inulin and oligofructose as dietary fiber: a review of the evidence." *Critical reviews in food science and nutrition* 41.5 (2001): 353-362.
- 28) Van Loo, Jan, et al. "On the presence of inulin and oligofructose as natural ingredients in the western diet." *Critical Reviews in Food Science & Nutrition* 35.6 (1995): 525-552.
- 29) Ninness, Kathy R. "Inulin and oligofructose: what are they?." *The Journal of nutrition* 129.7 (1999): 1402S-1406S.
- 30) Rao, A. V. "Dose-response effects of inulin and oligofructose on intestinal bifidogenesis effects." *The Journal of nutrition* 129.7 (1999): 1442S-1445S.