



RESEARCH – DEVELOPMENT – INNOVATION

Innovative food supplements

Oral Dispersible tablets
Maximum Absorption



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Company

Geoplan Nutraceuticals is a company focused on creating specialized food supplements.

We develop innovative and high-quality products to support and maintain health in people's daily lives.

Our products are the result of collaboration and research by our people, health professionals, doctors and researchers to offer the best solutions for quality of life.

Our goal is to create innovative products with optimal effectiveness to support and strengthen the body, aligned with the needs of modern life.



FORTIUS D3+B12

The power of synergy!

✓ Vitamins D3 + B12

**1000/2500/4000 IU cholecalciferol,
1000µg methylcobalamin**

- Three different D3 concentrations, to provide solutions, depending on the body's needs
- In the form of oral dispersible tablets for maximum absorption. Absorption occurs sublingually by the oral mucosa, bypassing the digestive tract.



Ingredients	Amount per serving (1 tablet)	Oral dispersible tablets
FORTIUS D3+B12 1000		
Vitamin D3 (cholecalciferol)	1000 IU (25 µg)	30 / 90
Vitamin B12 (methylcobalamine)	1000 µg	
FORTIUS D3+B12 2500		
Vitamin D3 (cholecalciferol)	2500 IU (62,5 µg)	30 / 90
Vitamin B12 (methylcobalamine)	1000 µg	
FORTIUS D3+B12 ULTRA		
Vitamin D3 (cholecalciferol)	4000 IU (100 µg)	30
Vitamin B12 (methylcobalamine)	1000 µg	
FORTIUS D3+B12 ULTRA K2		
Vitamin D3 (cholecalciferol)	4000 IU (100 µg)	90
Vitamin B12 (methylcobalamine)	1000 µg	
Vitamin K2 (menaquinone-7)	42µg	

Packaging:
30 and 90
oral dispersible
tablets

Dosage: 1 oral dispersible tablet daily.

Does not contain: sugar, gluten, artificial colors, lactose, preservatives.

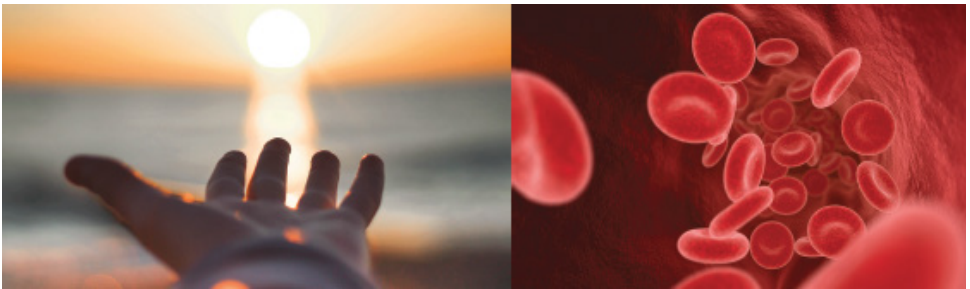
Vitamin D3

Vitamin D is a fat-soluble vitamin. It is synthesized in the body mainly through the effect of ultraviolet radiation from the sun on our skin.

It plays a major role in:

- maintenance of normal bones, muscles and teeth
- reducing inflammation
- regulating and strengthening the immune system

Its deficiency plays an important role in the pathogenesis of autoimmune diseases, such as multiple sclerosis, type 1 diabetes, rheumatoid arthritis, psoriasis, celiac disease, Crohn's disease.[1]



Vitamin B12

Vitamin B12 is a water-soluble vitamin that is involved in the metabolism of every cell in the human body. It is particularly important for the normal functioning of the nervous system.

According to the European Food Safety Authority (EFSA)[1], it contributes to :

- Normal energy-yielding metabolism
- Normal psychological function
- Normal red blood cell formation
- Normal function of the immune system
- Reduction of tiredness and fatigue
- Has a role in the process of cell division

FORTIUS MAG+ RESVERATROL

Mind and Body Harmony

- ✓ **Magnesium (Magnesium bisglycinate + Magnesium citrate SR)**
- ✓ **Resveratrol (Veri-Sperse® trans-Resveratrol)**
- ✓ **Vitamin B6**
 - Maximum bioavailability and absorption of magnesium
 - Synergistic action of magnesium - resveratrol



Ingredients	Amount per serving: 2 tablets
Magnesium • as Magnesium bisglycinate 909mg • as Magnesium citrate SR 1000mg	200mg • 100mg • 100mg
trans-Resveratrol (as Veri-Sperse®)	25mg
Vitamin B6 (as Pyridoxin hydrochloride)	15mg

Packaging

60

oral disperse
tablets

Dosage: 2 oral disperse tablets daily (morning – evening).

Does not contain: sugar, gluten, artificial colors, lactose, preservatives.

Magnesium

Magnesium is a mineral vital to the proper functioning of the body, essential for the health of heart and blood vessels, brain, bones, muscles and lungs. It has a regulatory role in energy metabolism, protein synthesis, muscle and nerve function, and the control of blood glucose and blood pressure.

In FORTIUS MAG + Resveratrol two forms of magnesium are used for maximum bioavailability and absorption:

- **Magnesium bisglycinate:** A chelated form of magnesium that provides the highest levels of absorption and bioavailability and does not cause gastrointestinal side effects, such as diarrhea, as other forms of magnesium do. In addition, its absorption is not disrupted by other nutrients.[2]
- **Magnesium citrate SR:** A sustained-release organic salt of magnesium that achieves greater absorption than inorganic forms.[3]

Resveratrol

Resveratrol belongs to polyphenols and is a powerful antioxidant found mainly in grapes and berries (blueberries, cranberries) and has numerous benefits:

- Prevention and delay of the progression of chronic diseases related to inflammation such as diabetes, obesity, cardiovascular diseases.
- Anti-aging and anti-inflammatory properties
- Protective effects on the brain, heart and circulatory system.
- It is associated with beneficial effects on bone density in patients with type 2 diabetes.



In FORTIUS MAG + Resveratrol, we use Veri-Sperse® trans resveratrol, a form of resveratrol that offers maximum absorption and bioavailability.

Veri-Sperse® trans resveratrol is produced using an innovative biofermentation process that offers >98% purity. The bioavailability of Veri-Sperse® resveratrol is nearly twice that of standard resveratrol at an equal dose and the maximum concentration (Cmax) is three times higher.[4]

Combination of resveratrol and magnesium offers better gastric absorption and bioavailability compared to pure resveratrol [5]

FORTIUS PRO

Your immune system protection lies in your hands!

- ✓ **Vitamin C (calcium ascorbate & sodium ascorbate)**
- ✓ **Zinc (zinc picolinate)**
- ✓ **Probiotic strain *Bacillus coagulans***
- Synergistic action in the treatment of respiratory tract infections
- *B. coagulans* for additional strengthening of the immune system and treatment of viral attacks



Ingredients	Amount per serving (2 tablets)
Vitamin C (500mg as Calcium ascorbate and 500 mg as Sodium ascorbate)	1000 mg
Zinc (as Zinc picolinate)	20 mg
<i>Bacillus coagulans</i>	2 billion cfu
Calcium L-threonate	20mg
Acerola extract (<i>Malpighia glabra</i> L.) std. 17% Ascorbic acid	20mg
Rosehip extract (<i>Rosa canina</i> L.) std. 6% Ascorbic acid	8mg

Packaging:
60
oral dispersible
tablets

Dosage: 2 oral dispersible tablets daily (morning – evening).

Does not contain: sugar, gluten, artificial colors, lactose, preservatives.

✓ Vitamin C (calcium ascorbate & sodium ascorbate)

Vitamin C contributes to the maintenance of normal immune and nervous system function.

Calcium ascorbate is a non-acidic form of vitamin C. It is suitable for people with gastrointestinal disorders as research shows that its use causes significantly fewer epigastric side effects than ascorbic acid and is much better tolerated. [6]



✓ Zinc (zinc picolinate)

Zinc contributes to the normal function of the immune system, protection of cells from oxidative stress, and maintenance of normal bones, teeth, hair, nails, and skin. [1]

The form of zinc used in FORTIUS PRO is zinc picolinate, as studies have shown it to be the most absorbable source of zinc. [7]



✓ Probiotic strain *Bacillus coagulans*

Bacillus coagulans (*Lactobacillus sporogenes*) is a spore-forming probiotic strain. Its resistant spore form allows it to survive stomach acid and reach the small intestine, colonize it, and multiply. [8]

Research shows that *B. coagulans* can help with diarrhea or constipation, flatulence and bloating, irritable bowel syndrome (IBS) [9], as well as boosting the immune system and fighting viral infections. Its intake as a dietary supplement is effective in enhancing the T-cell response to certain viral infections of the respiratory system. [10]

FORTIUS PRO F.A.S.T.

***Antibiotics + FORTIUS PRO F.A.S.T. =
Complementary force - Definite results***

✓ **Probiotic Strains**

✓ **Vitamin C**

✓ **Zinc**

- Intellicaps microencapsulation technology for maximum probiotic durability
- Synergistic action of zinc – probiotics



Ingredients	Amount per serving (1 tablet)
Probiotic blend:	3 billion cfu
- <i>Lactobacillus rhamnosus</i>	- 0,3 billion cfu
- <i>Lactobacillus plantarum</i>	- 0,6 billion cfu
- <i>Lactobacillus acidophilus</i>	- 0,6 billion cfu
- <i>Bifidobacterium lactis</i>	- 1,5 billion cfu
<i>Bacillus coagulans</i>	1 billion cfu
<i>Saccharomyces boulardii</i>	1 billion cfu
Vitamin C (500mg as Calcium ascorbate and 500 mg as Sodium ascorbate)	250 mg
Zinc (as Zinc picolinate)	5 mg
Calcium L-threonate	5 mg
Acerola extract (<i>Malpighia glabra</i> L.) std. 17% Ascorbic acid	5 mg
Rosehip extract (<i>Rosa canina</i> L.) std. 6% Ascorbic acid	2 mg

**Co-administration with antibiotics: 1 oral dispersible tablet
per day, 3 hours after taking the antibiotic.**

Packaging:

10

oral dispersible
tablets

Dosage: 1 oral dispersible tablet daily.

Does not contain: sugar, gluten, artificial colors, lactose, preservatives.

Intelicaps® Technology



New worldwide patented microencapsulation technology.[11]

Benefits:

- Makes possible to handle probiotic strains without reducing their quality.
- Complements the unique composition of lyophilized probiotics, new compositions such as vitamin C, metals such as zinc, in dispersible tablets.
- New conditions of resistance to heat, humidity and acidity allow better preservation of the products and increased yield.
- Survival and availability of Intelicaps® probiotics is 1,000 times greater than that of their conventional lyophilized counterparts.[12]

Probiotic strains

Lactobacillus rhamnosus

Lactobacillus plantarum

Lactobacillus acidophilus

Bifidobacterium lactis



- A blend of probiotics protected by microencapsulation with Intelicaps® technology.
- Specially designed composition for the restoration of intestinal flora after taking antibiotics.

Saccharomyces boulardii

- *Saccharomyces boulardii* is effective in the prevention and treatment of diarrhea of viral or bacterial etiology as well as associated with antibiotic use in adults and children [13].
- *S. boulardii* can degrade *Clostridium difficile* toxin, destroying endotoxins of the pathogen *Escherichia coli*, reducing the effects of cholera toxin and inhibiting the growth of pathogenic microorganisms (such as *Candida albicans*, *Salmonella typhimurium*, *Yersinia enterocolitica*, *Aeromonas haemolysin*).
- *S. boulardii* survives gastric acids, and reaches the gastrointestinal tract in an active state, helping to balance intestinal bacteria and promote healthy intestinal flora throughout the digestive system.



Bacillus coagulans

- *Bacillus coagulans* (*Lactobacillus sporogenes*) is a spore-forming probiotic strain. Its resistant spore form allows it to survive stomach acid and reach the small intestine, colonize it, and multiply.
- Research shows that *B. coagulans* can help with diarrhea or constipation, flatulence and bloating, irritable bowel syndrome (IBS), as well as boosting the immune system and fighting viral infections.

Zinc acts synergistically with probiotics to improve the clinical symptoms of antibiotic-associated diarrhea. The effect of the combination was shown to be much stronger than that of probiotics alone on symptoms of ADD (antibiotic-associated diarrhea).[14]

References

- [1] Commission regulation (EU) No 432/2012 of 16 May 2012, Official Journal of the European Union.
- [2] Vynckier A K et al, Type of Magnesium Salt and Formulation Solubility Determines Bioavailability of Magnesium Food Supplements. J Nutr Food Sci, 2020 Oct; 10 (5): 781.
- [3] Lindberg J S et al, Magnesium bioavailability from magnesium citrate and magnesium oxide. J Am Coll Nutr. 1990 Feb;9(1):48-55.
- [4] Iannitti R G et al, Resveratrol Supported on Magnesium DiHydroxide (Resv@MDH) Represents an Oral Formulation of Resveratrol With Better Gastric Absorption and Bioavailability Respect to Pure Resveratrol. Front Nutr. 2020; 7: 570047.
- [5] Pannu N et al, Resveratrol: from enhanced biosynthesis and bioavailability to multitargeting chronic diseases. Biomed Pharmacother. 2019 Jan;109:2237-2251.
- [6] Gruenwald J et al, Safety and tolerance of ester-C compared with regular ascorbic acid. Adv Ther. Jan-Feb 2006;23(1):171-8.
- [7] Barrie S A et al, Comparative absorption of zinc picolinate, zinc citrate and zinc gluconate in humans. Agents Actions 1987 Jun;21(1-2):223-8.
- [8] Jurenka J S, Bacillus coagulans: Monograph. Altern Med Rev. 2012 Mar;17(1):76-81.
- [9] Sudha M R, Gastrointestinal diseases and stomach disorders. Bacillus coagulans unique IS2 and digestive health. EC Gastroenterology and Digestive System ECO.01 (2019): 06-08.
- [10] Baron M, A Patented strain of Bacillus coagulans increased immune response to viral challenge. Postgrad Med. 2009 Mar;121(2):114-8.
- [11] <https://vesalepharma.com/en/intellicaps/>
- [12] Verhoeckx K et al, The Impact of Food Bioactives on Health: in vitro and ex vivo models. Chapter 27, The Simulator of the Human Intestinal Microbial Ecosystem (SHIME®). Springer; 2015.
- [13] Szajewska H et al, Systematic review with meta-analysis: Saccharomyces boulardii in the prevention of antibiotic-associated diarrhoea. Aliment Pharmacol Ther. 2015 Oct;42(7):793-801
- [14] Xiang R et al, Effects of Zinc Combined with Probiotics on Antibiotic-associated Diarrhea Secondary to Childhood Pneumonia. J Trop Pediatr. 2019 Oct 1;65(5):421-426.



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