

Food supplement

# ProSelect®

DuoLife **MEDICAL FORMULA PROSELECT®** is a food supplement based on natural ingredients and a proprietary antioxidant formula, enclosed in innovative delayed-release capsules that improve the absorption of active compounds.



R

DuoLife MEDICAL FORMULA PROSELECT® is extracts from plants and fungi with a broad spectrum of action: supporting the body's immunity, heart, blood vessel and liver functions, as well as a youthful skin appearance. The abundance of antioxidant polyphenols and immune-stimulating polysaccharides contributes to the maintenance of optimal health, helps build its natural protective barrier, and promotes the removal of free radicals and toxins.

## When?

The human immune system is almost perfectly capable of dealing with threats. But to function properly, it requires good overall condition of the body. In a situation of excessive physical and mental effort, overwork, stress or improper diet, the condition of the system deteriorates, resulting in a disorder of immune functions and frequent infections. In this case, the supplementation supports a proper diet, helping you to return to your best condition faster. The disruption of immune mechanisms and oxidative stress are also at the root of civilization diseases and ageing; the destructive effect of oxygen free radicals interferes with the functions of skin, blood vessels, heart, adversely affects blood sugar and cholesterol levels, and contributes to neural degeneration<sup>1-3</sup>. Support for the body's antioxidant mechanisms through appropriate supplementation can slow down the ageing process.

## How?

Food supplement DuoLife MEDICAL FORMULA PROSELECT® provides the body with valuable antioxidants contained in herbal, fruit and vegetable extracts, contributing to maintaining it in the best condition. Moreover, the active compounds present in the preparation, such as acetogenins, oxindole alkaloids, amygdalin and beta-glucans, support the body in the fight against infections and inflammation and help to maintain high immunity. The preparation also supports the natural intestinal bacterial flora.

**i DuoLife MEDICAL FORMULA PROSELECT® – usage:**  
1–2 capsules daily.

### **i Composition table**

Content of ingredients per average daily dosage	1 capsule	2 capsules
Vilcacora extract ( <i>Uncaria tomentosa</i> )	35 mg	70 mg
Graviola fruit powder ( <i>Annona muricata</i> )	35 mg	70 mg
ProSelect® (protected formulae of antioxidants obtained from the mixture of fruit and vegetable dry extracts in varying proportions)	25 mg	50 mg

Reishi mushroom extract ( <i>Ganoderma lucidum</i> )	20 mg	40 mg
Shiitake mushroom extract ( <i>Lentinula edodes</i> )	20 mg	40 mg
Apricot kernel extract ( <i>Prunus armeniaca</i> )	12 mg	24 mg
Amygdalin	120 µg	240 µg

**Ingredients:** chicory root inulin, extract from *Uncaria tomentosa* 10:1, graviola fruit powder (*Annona muricata*), proprietary ProSelect® formula of antioxidants from a mix of dry extracts from fruit, vegetables, and herbs in changed proportions (from seeds and peels of grape fruit (*Vitis vinifera*), from common bilberry (*Vaccinium myrtillus*), from broccoli flowers (*Brassica oleracea* var. *cymosa*), *Brassica oleracea* var. *viridis* leaves, *Camellia sinensis* leaves, onion leaves (*Allium cepa*), garlic stem (*Allium sativum*), grapefruit (*Citrus paradisi*), asparagus stem (*Asparagus officinalis*), sweet orange fruit (*Citrus sinensis*), pineapple fruit (*Ananas comosus*), wild cherry fruit (*Prunus avium*), ansu apricot fruit (*Prunus armeniaca*), apple fruit (*Malus domestica*), papaya fruit (*Carica papaya*), strawberry fruit (*Fragaria ananassa*), blackcurrant fruit (*Ribes nigrum*), carrot root (*Daucus carota*), cucumber fruit (*Cucumis sativus*), olive fruit (*Olea europeaea*), tomato fruit (*Solanum lycopersicum*), reishi mushroom extract (*Ganoderma lucidum*) 10:1, shiitake mushroom extract (*Lentinula edodes*) 10:1, apricot seeds extract (*Prunus armeniaca*) standardized for the content of 1% of amygdalin. Capsule ingredients: hydroxypropyl methylcellulose (HPMC), gellan gum, chlorophyllin and chlorophyll (dye). Anti-caking agent: silica.

Do not exceed the recommended daily dose. The product should not be a substitute for a varied diet. A balanced diet and healthy lifestyle are essential for the proper functioning of the body.

**i** Next to the names of the herbal extracts contained in the preparation is **a ratio of 10:1 – it is the so-called DER ratio. What does it mean?**

DER (*drug extract ratio*) specifies the number of milligrams of plant material used to obtain one milligram of the extract.

If the capsule contains 35 milligrams of cat's claw stem extract (or another herbal extract) DER 10:1, this means that 350 milligrams of raw material were used to obtain the capsule. The capsules from the Medical Formula line have an increased DER, so the same (or even lower) amount of the extract may provide a larger dose of active substances.

## What is the effect of the proprietary PROSELECT® formula of antioxidants derived from a mixture of dry fruit, vegetable and herbal extracts?

Plant extracts contained in the formula are a wealth of antioxidants with properties protecting cells against the destructive influence of oxidative stress. Antioxidants derived from plants are so-called exogenous antioxidants, supplementing the body's natural internal antioxidant mechanisms. Antioxidant activity is extremely valuable, as it supports the prevention of many health problems related to the functioning of, among others, the cardiovascular, nervous and immune systems. Antioxidants help maintain the correct blood cholesterol and glucose levels, keep blood vessels in good condition, affect the proper functioning of nerve cells and slow down the aging process. Antioxidants also provide natural protection for the skin against harmful UV rays, protecting it from sunburn and photoageing<sup>1-3</sup>.

PROSELECT® extracts from fruit of reishi and shiitake fungi are a wealth of polysaccharides (including beta-glucans) with a documented, multi-directional health-supporting effect

- ▶ Beta-D-glucan found in reishi helps to stimulate the body's immune response, supporting the fight against infections and inflammation<sup>4</sup>. The triterpenes present in the raw material play an important

antioxidant role, as they support sugar metabolism, the cardiovascular system and protect against premature ageing of the body<sup>5</sup>.

- ▶ The polysaccharide fraction of the shiitake mushroom is rich in lentinan – beta-D-glucan, which contributes to the maintenance of adequate body immunity, and thus helps protect the body against infections. Shiitake also helps to protect the liver, supports the body's cleansing and antioxidant processes, contributing to maintaining a young appearance and correct body weight. In addition, it helps to maintain proper blood pressure and plasma cholesterol and triglyceride levels. The vitamins and minerals contained in the raw material support the general body condition<sup>6,7</sup>.

Based on the principle of synergism, cat's claw stem extract, graviola fruit powder and apricot kernel extract support the health-promoting effects of the other ingredients of the product

---

- ▶ The main active compounds of graviola are acetogenins with antioxidant properties – neutralizing free radicals as well as supporting the immunity of the organism and its fight against infections and inflammation<sup>8,9</sup>.
- ▶ Vilcacora, also known as cat's claw, contains numerous oxindole alkaloids, polyphenols, saponins and tannins, which are responsible for the beneficial properties of the plant. Thus, it helps to protect the body from viral infections, helps to alleviate inflammation, and protects cells from the effects of oxidative stress<sup>10,11</sup>.
- ▶ Standardized apricot seed extract contains valuable amygdalin. Amygdalin is a bitter glycoside that supports the defence mechanisms of the body; it also contributes to the mitigation of inflammation<sup>12</sup>.

What makes DuoLife MEDICAL FORMULA PROSELECT® different?

---

- ▶ **Capsules made of organic cellulose derivative (HPMC)**, containing also chlorophyll derivatives, without preservatives, gluten and gelatin, suitable also for vegans and vegetarians (plus kosher and halal certificates), with delayed release time, with clinical trials\* – improving the absorption of active compounds contained inside the capsule, which translates into an increased concentration of active substances in the body.
- ▶ **Packaging free of bisphenol A (BPA)**, a compound with controversial health effects<sup>13</sup>.
- ▶ **100% natural ingredients with additional content of prebiotic** – inulin from the common chicory root; inulin stimulates the development of natural intestinal microflora, thus supporting the function of the gastrointestinal tract<sup>14</sup>; it has a low glycaemic index.
- ▶ **Formulation prepared in consideration of the principles of synergy and antagonism.**
- ▶ **Complete ingredients with a preserved biological background**, improving their bioavailability.
- ▶ **The product DOES NOT contain preservatives, artificial fillers and is GMO-FREE** – the raw materials used to develop the supplement DO NOT originate from genetically modified plants/fungi.
- ▶ **The product is GLUTEN-FREE** – can be used by people with gluten intolerance.
- ▶ **Concentrated formula** – making the supplement easy to use: once or twice a day.

**i** *The references for DuoLife Medical Formula ProSelect® can be found on a separate binder sheet.*

---

\*Study conducted in 2013 by Bio-Images Research Laboratory in Glasgow, Scotland

## References

---

1. Kaur, C., & Kapoor, H. C. (2001). Antioxidants in fruits and vegetables—the millennium's health. *International journal of food science & technology*, 36(7), 703–725.
2. Pisoschi, A. M., & Pop, A. (2015). The role of antioxidants in the chemistry of oxidative stress: A review. *European journal of medicinal chemistry*, 97, 55–74.
3. M. Karbarz, „Źródła Powstawania I Oddziaływanie Środowiskowe Wolnych Rodników”, Zesz. Nauk. SGSP, t. 40, nr 1, ss. 59–67, 2010.
4. Grys, A., Hołderna-Kędzia, E., & Łowicki, Z. (2011). Ganoderma lucidum—grzyb o cennych właściwościach farmakologicznych. *Postępy Fitoterapii*, 1, 28–33.
5. Zhu, M., Chang, Q., Wong, L. K., Chong, F. S., & Li, R. C. (1999). Triterpene antioxidants from Ganoderma lucidum. *Phytotherapy Research: An International Journal Devoted to Pharmacological and Toxicological Evaluation of Natural Product Derivatives*, 13(6), 529–531.
6. Rao, J. R., Millar, B. C., & Moore, J. E. (2009). Antimicrobial properties of shiitake mushrooms (*Lentinula edodes*). *International journal of antimicrobial agents*, 33(6), 591–592.
7. Jong, S. C., & Birmingham, J. M. (1993). Medicinal and therapeutic value of the shiitake mushroom. In *Advances in applied microbiology* (Vol. 39, pp. 153–184). Academic Press.
8. Ioannis, P., Anastasis, S., & Andreas, Y. (2015). Graviola: A systematic review on its anticancer properties. *Am. J. Cancer Prev*, 3(6), 128–131.
9. Alzergy, A. A., Haman, M. R., Shushni, M. A., & Almagtouf, F. A. Phyto-pharmaceuticals and biological study on graviola (*Annona muricata* L.) fruit and dietary supplement of graviola sold on the Libyan market as a cancer cure against TCA induce hepatotoxicity in mice.
10. Keplinger, K., Laus, G., Wurm, M., Dierich, M. P., & Teppner, H. (1998). *Uncaria tomentosa* (Willd.) DC.—ethnomedicinal use and new pharmacological, toxicological and botanical results. *Journal of ethnopharmacology*, 64(1), 23–34.
11. Gonçalves, C., Dinis, T., & Batista, M. T. (2005). Antioxidant properties of proanthocyanidins of *Uncaria tomentosa* bark decoction: a mechanism for anti-inflammatory activity. *Phytochemistry*, 66(1), 89–98.
12. Song, Z., & Xu, X. (2014). Advanced research on anti-tumor effects of amygdalin. *Journal of cancer research and therapeutics*, 10(5), 3.
13. Rogala, D., Kulik-Kupka, K., Spychała, A., Śnieżek, E., Janicka, A., & Moskalenko, O. (2016). Bisfenol A—niebezpieczny związek ukryty w tworzywach sztucznych. *Probl Hig Epidemiol*, 97, 213–219.
14. Kolida S., Gibson G.R. 2007. Prebiotic capacity of inulin-type fructans. *Journal Nutrition*, 137 (11 Suppl), 2503S–2506S.