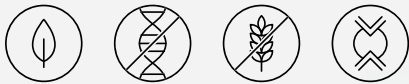


Dietary supplement

ProDeacid® NEW

DuoLife **MEDICAL FORMULA PRODEACID® NEW** is a dietary supplement supporting metabolic management and body cleansing processes. The composition of natural ingredients, including the proprietary antioxidant formula, obtained from a mixture of fruit and vegetable extracts, has been enclosed in innovative delayed release capsules, which improve the absorption of active compounds.



DuoLife **MEDICAL FORMULA PRODEACID® NEW** contains plant extracts supporting the acid-base balance of body fluids, metabolic management and digestive tract functions. Raw materials with antioxidant properties allow to optimally support the functions of the cardiovascular system and help to regulate blood glucose and cholesterol levels. Plant extracts, which are a valuable source of fibre, support the intestinal and liver functions and the function of the intestinal microflora, contributing to maintaining optimal weight, regulating the processes of body purification and removal of heavy metals from the body.

When?

DuoLife **MEDICAL FORMULA PRODEACID® NEW** will prove to be a supportive supplement for people:

- ▶ wishing to stay in a good shape, including maintaining the acid–base homeostasis of body fluids;
- ▶ wishing to maintain optimal metabolism and a slim figure;
- ▶ wishing to support processes of body detoxification and removal of heavy metals;
- ▶ struggling with digestion problems;
- ▶ overweight and obese people.

How?

DuoLife **MEDICAL FORMULA PRODEACID® NEW** supports:

- ▶ maintaining the acid–base homeostasis of body fluids;
- ▶ metabolism;
- ▶ gastrointestinal tract function, and the liver in particular;
- ▶ body detoxification processes;
- ▶ removal of heavy metals from the body;
- ▶ maintaining the optimum osmotic pressure of body fluids;
- ▶ intracellular homeostasis;
- ▶ normal cholesterol and glucose blood levels;
- ▶ cardiovascular system function;
- ▶ antioxidative mechanisms;
- ▶ immune system functions;
- ▶ physiological intestinal flora function.



DuoLife MEDICAL FORMULA PRODEACID® NEW - usage:

1-2 capsules daily.

Composition table

Content of ingredients per average daily dosage	1 capsule	2 capsules
beet extract (<i>Beta vulgaris</i>)	70 mg	140 mg
eggplant extract (<i>Solanum melongena</i>)	70 mg	140 mg
mango fruit extract (<i>Mangifera indica</i>)	60 mg	120 mg
kiwi fruit extract (<i>Actinidia chinensis Planch</i>)	60 mg	120 mg
ProDeacid® (proprietary formula of antioxidants obtained from a mixture of dry fruit and vegetables extracts)	30 mg	60 mg
grapefruit extract (<i>Citrus paradisi</i>)	20 mg	40 mg
grapevine fruit extract (<i>Vitis vinifera</i>)	20 mg	40 mg
millet seed extract (<i>Panicum miliaceum</i>)	20 mg	40 mg

Ingredients: beet extract (*Beta vulgaris*) 5:1, eggplant extract (*Solanum melongena*) 5:1, inulin from wild chicory root (FOS), mango fruit extract (*Mangifera indica*) 5:1, kiwi fruit extract (*Actinidia chinensis Planch*) 5:1, proprietary formula ProDeacid® of antioxidants obtained from a mixture of dry fruit and vegetables extracts in varying proportions (pineapple fruit (*Ananas comosus*), wild cherry fruit (*Prunus avium*), common grapevine pips and skin (*Vitis vinifera*), Camellia sinensis leaves, broccoli (*Brassica oleracea var italica*)), grapefruit extract (*Citrus paradisi*) 5:1, grapevine fruit extract (*Vitis vinifera*) 5:1, millet seed extract (*Panicum miliaceum*) 5:1. Capsule ingredients: hydroxypropyl methylcellulose (HPMC), gellan gum, chlorophyllin and chlorophyll (dye). Anti-caking agent: silica.

Do not exceed the recommended daily intake. The product should not be used as a substitute for a varied diet. Balanced diet and a healthy lifestyle are the basis for proper functioning of human body.

The herbal extracts contained in the preparation have a ratio of 5:1 written next to their names - this is the so-called DER. What does it mean?

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

If the capsule contains 70 milligrams of red beet extract (or other extract) DER 5:1, this means that 350 milligrams of raw material were used to obtain the capsule. The capsules from the Medical Formula NEW line have an increased DER, so the same (or even lower) amount of the extract may provide a larger dose of active substances.

How does the proprietary ProDeacid® formula made up of antioxidants (from pineapple fruit, bird cherry fruit, grape seed and peel, Chinese tea leaves and broccoli) work?

All these raw materials are rich sources of antioxidants¹⁻⁵, with properties protecting cells against the destructive influence of oxidative stress. Antioxidants derived from fruit, vegetables and herbs are so-called exogenous antioxidants, supporting the body's natural internal antioxidant mechanisms. These include: vitamins C and E, carotenoids, polyphenols (including flavonoids, anthocyanins, phenolic acids), selenium and zinc⁶.

The antioxidant effect is extremely valuable, promotes the maintenance of optimal cell function and supports the control of proper cholesterol and blood glucose levels. Thus, it contributes to the prevention of many chronic diseases such as cardiovascular diseases, neurodegenerative diseases or cancer⁶⁻⁸.

How can plants support the acid-base balance of bodily fluids?

Thanks to the mineral compounds contained in the plant raw materials, such as potassium, sodium and phosphorus! Sodium, potassium and phosphate ions help to maintain an optimal pH^{7,4} of all body fluids, providing them not only with an acid-base balance, but also correct osmotic pressure. Moreover, these ions support the homeostasis of the intracellular environment⁹. Homeostasis is the body's ability to maintain an internal balance that guarantees health.

Among the ingredients of DuoLife MEDICAL FORMULA PRODEACID® NEW you will find plant extracts from raw materials rich in valuable minerals, including mango, kiwi, aubergine, grapes, millet, beets and grapefruit¹⁰⁻¹⁶. All of them synergistically help to ensure the homeostasis of your body.

Why does fibre contained in plants support the body's cleansing functions, contribute to the removal of heavy metals and help maintain a slim figure?

Fibre is a very important health-supporting component of a balanced diet. It directly supports the functions of the gastrointestinal tract as well as, by influencing the absorption of cholesterol and glucose from the intestines, it contributes to maintaining their normal blood levels. Importantly, it has been observed that the intake of this ingredient in people's diet is lower than recommended¹⁷, so it is worthwhile to support oneself with appropriate supplementation.

Plant fibre is not digested and absorbed in the human digestive tract. By filling the intestines, it stimulates their movement and accelerates the passage of contents through the digestive tract. In this way, fibre helps prevent constipation and helps maintain proper body weight, also contributing to reduced feeling of hunger. Proper excretion can support the body's cleansing processes; fibre also promotes the removal of toxins and heavy metals from the body as well as supports the prevention of gastrointestinal diseases. Importantly, fibre contributes to maintaining proper pH in the large intestine, facilitates the development of probiotic bacteria, thus helping to maintain proper intestinal bacterial flora^{10,18-20}.

The sources of fibre are aubergines¹⁰, fruit of mango¹¹ and kiwi¹³, grapefruit¹⁴ and millet seeds¹⁶. Extracts from these plants were included in the composition of DuoLife MEDICAL FORMULA PRODEACID® NEW. Inulin, contained in common chicory, also belongs to the fibre fraction and shows all its health-supporting effects. It has low glycaemic index and may be used by diabetics²²⁻²⁴.

The plant extracts contained in DuoLife MEDICAL FORMULA PRODEACID® NEW help in the prevention of civilization diseases, including heart and blood vessel diseases.

- ▶ Aubergines are a valuable source of polyphenols (flavonoids, anthocyanins) and carotenoids, with antioxidant properties, scavenging free oxygen radicals. Free radicals are formed in the system as a result of metabolic changes and have a destructive effect on cells, causing so-called oxidative stress. Antioxidant polyphenols contained in the raw material are conducive to the prevention of many chronic diseases caused by oxidative stress (hypertension, arteriosclerosis). They also show cardioprotective effects, promote detoxification of the body, maintain proper body weight, support maintenance of proper LDL cholesterol level in blood¹⁰.
- ▶ Betalaine contained in red beets (mainly betanin) has very strong antioxidant and free radical scavenging properties. Beetroot, used regularly in the diet, can protect against many cardiovascular diseases associated with oxidative stress, and also support the hematopoietic process and thus blood functions^{12,25}.
- ▶ Kiwi fruit contains a lot of vitamin C. The antioxidant effect of vitamin C helps protect cells from the destructive influence of free oxygen radicals. The raw material is conducive to the prevention of cardiovascular diseases, helps regulate LDL cholesterol levels in the blood serum and supports the functions of the immune system¹³.
- ▶ Due to its polyphenol content, grapefruit also has a high antioxidant potential. According to clinical studies, the material can support weight loss processes; it also helps maintain proper body weight, mainly by re-

gulating plasma cholesterol levels. Grapefruit is conducive to the prevention of chronic diseases, including diseases of the cardiovascular system (hypertension, atherosclerosis), diabetes or obesity¹⁴.

- ▶ Grapes contain antioxidant compounds: resveratrol and anthocyanins. Resveratrol helps protect the body against cardiovascular diseases, helps maintain proper blood pressure, supports the processes of body cleansing²⁶. Anthocyanins contribute to the protection of the heart and support the prevention of atherosclerosis^{3,27}.
- ▶ Antioxidant polyphenols from millet seeds help maintain proper blood cholesterol levels and support liver function¹⁶. Importantly, millet is gluten-free²⁸.

What makes DuoLife MEDICAL FORMULA PRODEACID® NEW 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 increased concentration of active substances in the body.
- ▶ **Packaging free of bisphenol A (BPA)**, a compound with controversial health effects²⁹.
- ▶ **Natural ingredients, with an additional content of a prebiotic** - inulin from the common chicory root; inulin stimulates the development of natural intestinal microflora, thus supporting the function of gastrointestinal tract^{22,23}; it has low glycaemic index.
- ▶ **Formulation prepared in consideration of the principles of synergy and antagonism.**
- ▶ **Complete ingredients, with their biological background maintained**, improving their bioavailability.
- ▶ **The product DOES NOT CONTAIN preservatives and artificial fillers, and IS GMO FREE** - the raw materials used to develop the supplement ARE NOT DERIVED from genetically modified plants.
- ▶ **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 ProDeacid® can be found on a separate binder sheet.*

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

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