

BioMarine® Medical

Immuno & Neuro Lipids

Food for special **medical** purpose



BioMarine® Medical Immuno & Neuro Lipids, Foods for Special Medical Purposes (FSMP), is a product intended for the dietary management with **complex fats and higher unsaturated fatty acids**, in parallel with the treatment of: **infections, cancer, autoimmune diseases (including rheumatoid arthritis (RA), psoriasis, atopic dermatitis (AD) and multiple sclerosis (MS)), heart diseases, periodontitis and aphthous, schizophrenia and depression.**

BioMarine® Medical Immuno & Neuro Lipids (FSMP) is the only specialized composition of genetically and physiologically essential fats, confirmed by **41 scientific studies** in patients (including persons treated for the abovementioned diseases), conducted by 21 renowned scientific and medical centres in Poland, Denmark and the USA.

INGREDIENTS

BioMarine® Medical Immuno & Neuro Lipids (FSMP) is a scientifically advanced and broad composition of natural complex fats and higher unsaturated fatty acids, mainly: **DHA + DPA + EPA + ETE of the omega-3 group, NA of the omega-9 group, alkylglycerols, squalene as well as vitamins A (retinol) and D₃**, which are necessary for the human body and its defense and regenerative systems to develop and carry out genetically and physiologically superior fat-dependent processes. These fats are the building blocks:

- the immune, lymphatic and haematopoietic system,
- anti-inflammatory system,
- brain and nervous system,
- heart and circulatory system,
- skin.

| Fat (% dry matter) | |
|----------------------|------|
| Red bone marrow | 65,8 |
| Brain (white matter) | 57,5 |
| Heart | 34,5 |
| Skin | 32,6 |
| Mother's milk | 31,9 |
| Liver | 28,7 |

BioMarine® Medical Immuno & Neuro Lipids (FSMP) is made from the combination of 3 types of biological, full-value, naturally pure and unenriched fish oils:

- BioMarine® - oil from the liver of of deep-sea shark (*Squaliformes*), Tasman Sea and Southwest Pacific Ocean, in regions of Australia and New Zealand
- BioNeuro® Omega-3 - oil from the muscles of anchovies, herring and tuna fish (*Engraulidae, Clupeidae, Scombridae*), Indian Ocean and the Western Pacific Ocean
- Tran OLAVA® - the Alaskan cod liver oil (*Gadus microcephalus*), Bering Sea, Alaska. the Alaskan cod liver oil in this product comes from a fishery that meets MSC standards for well-managed, sustainable fisheries. www.msc.org/pl

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| Nutritional value | 5 ml | 50 ml | 100 ml |
|------------------------------------|------------------|--------------------|--------------------|
| Energy value | 168 kJ / 41 kcal | 1680 kJ / 410 kcal | 3360 kJ / 820 kcal |
| Total fish fat, including: | 4,5 g | 45 g | 90 g |
| complex fats | 0,66 g | 6,6 g | 13,2 g |
| saturated fatty acids | 0,4 g | 4 g | 8,1 g |
| monounsaturated fatty acids | 1,0 g | 10,4 g | 20,8 g |
| polyunsaturated fatty acids | 1,9 g | 18,9 g | 37,8 g |

Additional ingredients: aromas - a natural berry flavor, antioxidants - tocopherol mixture (E306).

INDICATIONS

BioMarine® Medical Immuno & Neuro Lipids (FSMP) is intended for the dietary management with **composite fats and higher fatty acids** in parallel with the treatment of:

- bacterial, viral, fungal and mixed infections (during an increased incidence of colds and flu and during and after antibiotic therapy),
- cancer,
- morphology disorders,
- autoimmune diseases (including rheumatoid arthritis, psoriasis, atopic dermatitis, multiple sclerosis)
- neurological and mental diseases (including schizophrenia, depression),
- metabolic diseases, e.g. diabetes,
- periodontal diseases (periodontitis)
- lipid profile disorders, e.g. hypertriglyceridemia, hypercholesterolemia, dyslipidaemia,
- atherosclerosis, arrhythmias and conduction disorders, myocarditis, hypertension, ischemic heart disease.

And:

- before and after chemo and radiotherapy,
- in the perioperative period and during recovery after surgery,
- during convalescence after serious cardiovascular events, e.g. heart attack, stroke;
- while on a ketogenic diet.

INFORMATION ON THE USE

BioMarine®Medical Immuno & Neuro Lipids (FSMP) is intended for the dietary management – for adults and children with a body weight of more than 10 kg. Pregnant and breast-feeding women can only use **BioMarine®Medical Immuno & Neuro Lipids (FSMP)** after a consultation with a doctor.

In order to increase the bioavailability of the ingredients of **BioMarine®Medical Immuno & Neuro Lipids (FSMP)** to the body, as well as to build and regenerate the oral mucosa, it is recommended to keep the oil in the mouth for several seconds before swallowing it. Unless your doctor or dietitian recommends otherwise **BioMarine®Medical Immuno & Neuro Lipids (FSMP)** should be taken as follows:

| | |
|---|---|
| In parallel with the treatment of diseases in the acute phase : <i>cancer, autoimmune diseases, neurological and mental diseases, heart diseases</i> , take in addition to following a low-fat diet | FOR ADULTS: 0,8 - 1,2 ml of oil per kg of body weight per day up to 6 months |
| | FOR CHILDREN: 0,5 ml of oil per kg of body weight per day up to 6 months |
| In parallel with the treatment of diseases in the chronic phase : <i>infections, cancer, autoimmune diseases, neurological and mental diseases, periodontal diseases, heart diseases</i> and during convalescence | FOR ADULTS: 0,3 ml of oil per kg of body weight per day indefinitely |
| | FOR CHILDREN: 0,25 ml of oil per kg of body weight per day indefinitely |
| In parallel with the diagnosis of disorders or diseases of : <i>bone marrow and immune and hematopoietic systems, brain and nervous system, heart and circulatory system, as well as inflammatory diseases</i> | FOR ADULTS AND CHILDREN: 0,1 ml of oil per kg of body weight per day indefinitely |

DIRECTIONS FOR USE

- Based on the dosing table above, calculate what dose of **BioMarine®Medical Immuno & Neuro Lipids (FSMP)** the patient's body needs.
- **BioMarine®Medical Immuno & Neuro Lipids (FSMP)** should be taken 15-20 minutes before meals - this ensures optimal absorption of the lipids contained in the product.
- As a rule, the daily dose should be divided into 2-3 portions. However, if you recommend taking larger quantities of **BioMarine®Medical Immuno & Neuro Lipids (FSMP)**, please inform the patient that the total dose can be divided into more portions (up to 8). The product should ideally be taken before each meal.
- Fish oil can be used by the body when in contact with the oral mucosa. Therefore, before swallowing, hold the oil for several seconds in the mouth – this will ensure direct physiological structure and regeneration of the mucous membranes.
- If the patient can't handle the fishy oil taste, recommend that they mix some of the oil with natural fruit juice, e.g. raspberry or cherry, but never citrus. Citrus juices, especially grapefruit, contain large amounts of furanocoumarin. These compounds affect the activity of liver enzymes that participate in the metabolism of complex fats and higher fatty acids. It is recommended to wait at least an hour between consuming products containing fish oils and citrus or citrus juice. If intolerance symptoms occur when using the oil on an "empty" stomach, the product can be taken with or after meals, provided that they are low in fat. The product can also be taken with bread or with a small amount of boiled water or herbal tea.
- In the acute phase, patients should follow a low-fat diet in addition to taking **BioMarine®Medical Immuno & Neuro Lipids (FSMP)**, to enable the body to properly use the complex fats provided in the daily portion of the preparation.

IMPORTANT INFORMATION

This product should be taken according to the doctor's instructions or under medical supervision. **BioMarine®Medical Immuno & Neuro Lipids (FSMP)** are not a substitute for doctor-ordered therapy, but are intended to **use in parallel**. A product that is not nutritionally complete cannot be used as the sole source of food by persons for whom it was intended. Do not exceed recommended daily servings. Maintaining proper health requires a balanced diet and leading a healthy lifestyle. Do not take if allergic to any of the ingredients. The product consists of unfortified fish oil, it does not contain proteins (including parvalbumin), which are responsible for producing an allergic reaction to fish.

STORAGE CONDITIONS

Keep the closed package at room temperature out of the reach of young children. Keep away from light. Store in the refrigerator for up to 60 days after opening. Expiration date is on the bottom of the package.

PACKAGE CONTENTS

1 glass bottle - 200 ml of oil. Detailed information about the product, its purpose and method of use can also be found on the following website: www.specialist.marinex.com.pl



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ON THE EFFECTS OF NUTRITION CONSISTENT WITH THE GENETICS AND PHYSIOLOGY OF THE HUMAN BODY

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Leaflet prepared on:
16 September 2022 r.

Rev.23/01 BMM/01/23