

# BioMarine<sup>®</sup> Medical

## Immuno & Neuro Lipids

4 types of fish oils with biological composition  
food for special medical purpose



BioMarine<sup>®</sup> Medical Immuno & Neuro Lipids (FSMP), a specialized composition of **higher building fats** (complex fats and higher unsaturated fatty acids) intended for dietary management in: **infections, cancer, autoimmune diseases (including rheumatoid arthritis (RA), psoriasis, atopic dermatitis (AD) and multiple sclerosis (MS)), heart diseases, periodontitis, aphthous, schizophrenia and depression** - in order to activate the body's genetically and physiologically **superior fat-dependent** processes, with **effectiveness** proven by the results of **44 scientific studies in patients**, conducted by **21** renowned scientific and medical centers in Poland, Denmark and the USA.

### INGREDIENTS (200 ml net)

BioMarine<sup>®</sup> Medical Immuno & Neuro Lipids (FSMP) is a combination of 4 types of high-quality, unenriched fish oils with biological composition:

- **BioMarine<sup>®</sup>** - oil from the liver of of deep-sea shark (*Squaliformes*), Tasman Sea and Southwest Pacific Ocean, in regions of Australia and New Zealand  
Controlled by Fisheries New Zealand Tini a Tangaroa

- **BioCardine<sup>®</sup>Omega-3** - sardine, anchovy and mackerel muscle oil, from the South Pacific Ocean  

- **BioNeuro<sup>®</sup>Omega-3** - oil from the muscles of anchovies, herring and tuna fish (*Engraulidae, Clupeidae, Scombridae*), Indian Ocean and the Western Pacific Ocean
- **Tran OLAVA<sup>®</sup>** - the Alaskan cod liver oil (*Gadus microcephalus*), Bering Sea, Alaska. **MSC CERTIFICATE**

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

BioMarine<sup>®</sup> Medical Immuno & Neuro Lipids (FSMP) is a specialized composition of **higher building fats** (complex fats: **squalene, alkylglycerols, vitamins A (retinol) and D<sub>3</sub>**, higher unsaturated fatty acids: **6 omega-3 groups: DHA + DPA + HPA + EPA + ETA + ETE, 2 omega-9 groups : NA, GA**), necessary for the human body for the genetic and physiological structure of the main organs and the primary fat-dependent processes produced by them:

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

### INDICATIONS

BioMarine<sup>®</sup> Medical Immuno & Neuro Lipids (FSMP) is intended for the dietary management 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 diseases (before and during chemotherapy and radiotherapy and after their completion),
- morphology disorders (leucopenia, thrombocytopenia, erythropenia),
- autoimmune diseases (including rheumatoid arthritis, psoriasis, atopic dermatitis, multiple sclerosis)
- neurological and mental diseases (including schizophrenia, depression),
- metabolic diseases, e.g. diabetes,
- lipid profile disorders, e.g. hypertriglyceridemia, hypercholesterolemia, dyslipidaemia,
- atherosclerosis, arrhythmias and conduction disorders, myocarditis, hypertension, ischemic heart disease,
- during convalescence after serious cardiovascular events, e.g. heart attack, stroke;
- in the perioperative period and during recovery after surgery,
- periodontal diseases (periodontitis and recurrent aphthous ulcers),
- while on a ketogenic diet.

Nutritional value	100 ml	50 ml	5 ml
Energy value	3499 kJ / 837 kcal	1750 kJ / 420 kcal	175 kJ / 42 kcal
Total fish fat, including:	93 g	46,5 g	4,65 g
- saturated fatty acids	14 g	7 g	0,7 g
- monounsaturated fatty acids, including:	29 g	14,5 g	1,45 g
- NA - nervous acid	1 g	0,1 g	0,05 g
- GA - gondolic acid	4 g	2 g	0,2 g
- polyunsaturated fatty acids, including:	26 g	13 g	1,3 g
- DHA omega-3	17 g	8,5 g	0,85 g
- EPA omega-3	8 g	4 g	0,4 g
- squalene	8 g	4 g	0,4 g
- alkylglycerols	8 g	4 g	0,4 g
Carbohydrates, including:	0 g	0 g	0 g
- sugars	0 g	0 g	0 g
- polyhydric alcohols	0 g	0 g	0 g
- starch	0 g	0 g	0 g
Fiber	0 g	0 g	0 g
Protein	0 g	0 g	0 g
Salt	0 g	0 g	0 g
Vitamin A	3000 µg	1500 µg	150 µg
Vitamin D <sub>3</sub>	15 µg	7,5 µg	0,75 µg

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

## 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.

**BioMarine®Medical Immuno & Neuro Lipids (FSMP)** should be taken as follows:

In parallel with the treatment of <b>diseases in the acute phase</b> : infections, cancer, autoimmune diseases, neurological and mental diseases, heart diseases. Consume in portions simultaneously with a low-fat diet.	FOR ADULTS: <b>0,8 - 1,2 ml of oil per kg of body weight per day</b> up to 6 months
	FOR CHILDREN: <b>0,5 ml of oil per kg of body weight per day</b> up to 6 months
In parallel with the treatment of <b>diseases in the chronic phase</b> : infections, cancer, autoimmune diseases, neurological and mental diseases, periodontitis and aphthous, heart diseases <b>and during convalescence</b> . Consume in portions.	FOR ADULTS: <b>0,3 ml of oil per kg of body weight per day</b> indefinitely
	FOR CHILDREN: <b>0,25 ml of oil per kg of body weight per day</b> indefinitely
In parallel with the <b>diagnosis of disorders or diseases of</b> : bone marrow and immune (infections) and hematopoietic systems, brain and nervous system, heart and circulatory system, as well as inflammatory diseases	FOR ADULTS AND CHILDREN: <b>0,1 ml of oil per kg of body weight per day</b> 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. The daily portion of the product is calculated taking into account the ideal body weight (ideal body weight according to the BMI index).
- We recommend dividing the daily amount of oil into portions not exceeding **10 ml**, consumed **15-20 minutes before meals**, at regular intervals throughout the day - this ensures optimal absorption of the lipids contained in the product.
- Before use, remove from the refrigerator, warm for a while at room temperature and shake before pouring the designated portion.
- 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 case of gastroesophageal reflux or heartburn, the oil should be used simultaneously with a meal, but in such a situation it should be remembered that the meal itself should be low-fat.
- When consuming the recommended amounts of **BioMarine®Medical Immuno & Neuro Lipids (FSMP)** in parallel with the treatment of **diseases in the acute phase**, a low-fat diet should be followed to enable the human body to properly use this composition of fats.

To confirm or determine the appropriate daily portion, contact the Science Department Experts by phone: 602 785 558.

## 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. The product **does not contain proteins (including parvalbumin)**, which are responsible for producing an allergic reaction to fish.

## CONTRAINDICATIONS

Hypersensitivity to any of the ingredients.

## STORAGE CONDITIONS

Keep the closed package at room temperature out of the reach of young children. 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](http://www.specialist.marinex.com.pl)



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