ORTHOMEGA® Select EPA





CLINICAL APPLICATIONS

- Maintains Normal Inflammatory Balance
- High-Intensity Support For Establishing a Positive Mental Outlook
- Targeted Support for Joint Comfort and Musculoskeletal Integrity
- Maintains Healthy Cardiovascular Function and Blood Sugar Balance Already Within Normal Levels

CARDIOVASCULAR HEALTH

Orthomega[®] Select EPA is a high-concentration eicosapentaenoic acid (EPA) fish oil designed for those needing intensive nutritional support of this essential fat. Research shows that EPA promotes a positive mental outlook and has a significant calming effect on the brain. In addition, EPA has been shown to improve joint mobility and support cardiovascular health. Orthomega[®] Select EPA is sourced from off the Chilean coast, where cold, unpolluted waters provide the cleanest, most sustainable source of fish in the world. Each soft gel delivers 660 mg of EPA in the natural triglyceride form for superior absorption. This high-concentration EPA fish oil is enzymatically purified, vacuum-distilled, and independently tested to ensure heavy metals, pesticides and polychlorinated biphenyls (PCBs) are removed to undetectable levels.

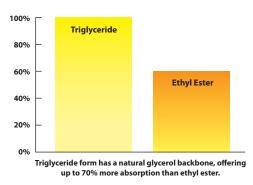
Overview

While EPA/DHA combination formulas remain the backbone of any fish oil regimen, as research on fish oil continues to accumulate, new evidence has emerged supporting the value of unique formulations of high-intensity EPA for more targeted uses. Fatty acids in the n-3 family are considered essential to humans because our bodies are unable to make them; in humans, conversion of alpha linolenic acid to EPA is slow, making supplementation necessary.¹ Extensive studies have shown that EPA from fish oil promotes a positive mental outlook and has a significant calming effect on the brain. In addition, EPA has been shown to improve joint mobility and support cardiovascular health. EPA also boosts cognitive health and is an essential part of the structural integrity of the central nervous system, making it a key component of neurological wellness. With over 10,000 published studies on fish oil in the last three decades, EPA and DHA from fish oil is among the most researched natural ingredients available and has a long history of safety and efficacy.

Fish Oil Delivery – Triglycerides vs. Ethyl Esters[†]

While the amount of EPA and DHA provided in a fish oil product is important for efficacy, the type of fish oil delivered is another significant factor in defining fish oil effectiveness. The human body is accustomed to digesting and absorbing EPA and DHA in the natural triglyceride form. Even though triglyceride-based fish oils are the preferred form for superior fish oil absorption, due to cost, the vast majority of fish oil products available on the market are packaged in semisynthetic ethyl ester form. While less expensive, their unusual structure is resistant to the digestive enzymes that enable fat breakdown. In a study comparing EPA and DHA digestion in both the natural triglyceride and ethyl ester form, five common digestive lipase enzymes were shown to more easily digest fish oil in the natural triglyceride form as compared to the ethyl ester substrate.² A review of the existing literature has shown that fish oil provided in the triglyceride form is more efficiently digested and is 70% more absorbable than the ethyl ester form.³

Relative % Bioavailability of Re-Esterified Triglyceride Compared to Regular Ethyl Ester





Omega-3 Depletion⁺

An accumulating body of research shows that the typical modern diet does not provide a sufficient amount of omega-3s for optimal health. Insufficient conversion within the body of alpha linolenic acid (ALA) to the active EPA and DHA may reduce the amount available for use in organs and tissues. Symptoms of omega-3 deficiency are common and often overlooked. These may include dry, itchy or flaky skin, poor sleep quality, poor circulation, eye discomfort, and mood imbalance.² Low levels of EPA have been linked with mood imbalance, cognitive impairment and neuropathy.³

Mood Balance[†]

Long-chain n-3 fatty acids, such as EPA, are important components of membranes within neurological organs and tissues. They affect membrane fluidity and influence synaptic function and possibly serotonin and dopamine metabolism.^{4,5} In several studies, fish consumption has been directly linked to decreased risk of low mood, especially in women,^{6,7} and several clinical trials have used n-3 fatty acids to promote a positive mental outlook.⁸ Studies to date have shown 1 g of EPA was shown to improve low mood scores in patients.⁹ Among a similar population, 2 g/day of a comparable preparation had highly significant improvement in mood scores.¹⁰ Previous reports suggest there is a link between low EPA levels and the most extreme signs of a negative mental outlook.¹¹ Additional evidence indicates that supplementation with long-chain n-3 polyunsaturated fatty acids (PUFAs) could be beneficial in the treatment of some individuals with irritability and aggressive tendencies.¹² Another double-blind, randomized trial found patients who received EPA for three months showed an increase in sense of calmness while this was not seen in patients who received placebos. Calmness scores remained significantly higher in the EPA group for three months after supplement discontinuation.¹³

Joint Discomfort and Inflammatory Balance⁺

EPA is capable of forming eicosanoids, which function to counteract the activity of eicosanoids derived from arachidonic acid,¹⁴ a mechanism known to maintain normal inflammatory balance.^{15,16} Numerous studies point to the key role of EPA to improve joint discomfort and promote musculoskeletal strength. EPA has also been found to safely support neck and back discomfort from physical activity and overexertion.¹⁷

Cardiovascular Health and Blood Sugar Metabolism⁺

Several large, randomized clinical trials have proven the benefits of EPA for cardiovascular health. EPA has been found to diminish oxidative stress and promote cardiomyocyte strength,¹⁸ and an eight-week long usage of EPA resulted in a significant percentage reduction of C-reactive protein levels.¹⁹ EPA has also been shown to support blood sugar balance already within normal levels. Supplementation with EPA has been shown to support blood sugar balance and related markers.²⁰

Directions

1 soft gel capsule per day or as recommended by your health care professional.

Does not contain

Gluten, corn, yeast, artificial colors or flavors.

Cautions

If you are pregnant or nursing, consult your physician before taking this product.

Supplement Facts

Serving Size 1 Soft Gel Capsule Servings Per Container 60

| | Amount Per Serving | % Daily Value |
|---|-----------------------|------------------|
| Calories | 15 | |
| Total fat | 1.5 g | 2%* |
| Cholesterol | 5 mg | 2% |
| EPA (Eicosapentaenoic Acid) | 660 mg | ** |
| DHA (Docosahexaenoic Acid) | 60 mg | ** |
| * Percent Daily Values are based ** Daily Value not established. | on a 2,000 calorie c | liet. |

Ingredients: Fish Oil **(anchovy, jack mackerel, mackerel, sardine)** (Highly Refined and Concentrated Omega-3), Gelatin, Glycerin, Water (Purified), Natural Flavors, Natural Tocopherols, Rosemary Extract (Leaf) and Ascorbyl Palmitate.

ID# 448060 60 Soft Gel Capsules

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