

Nutritional Therapeutic ZipZyme™ Omega Exponentially Improves Pet Health and Vitality without Deficits Present in All Extracted Omega 3 Oils

Pets' nutrition, health and vitality can be greatly enhanced by adding ZipZyme™ Omega to their daily meals beyond what may be achievable by use of any extracted Omega 3 oil product. The facts surrounding the value of proper and adequate omega-3 (omega-3's) fatty acid supplementation are now matters of general scientific consensus, yet discussions surrounding the precise and ideal quantities for different ages and stages of humans and animals continue. There are a plethora of health and wellness benefits that accompany adequate dietary and supplement DHA intake by human beings – discussed and presented in about 25,000 papers at last count, and there are now 983 human clinical trials involving DHA [clinicaltrials.gov].

First, however, let us ignore human omega-3 fatty acid requirements and focus on the peer-reviewed scientific literature [a.k.a. papers] pertaining to animals. There are thousands of papers describing the benefits of omega-3's on animal or animals' health. For example, papers published in the last year or so have reported: the effects of feeding EPA+DHA enriched diets to small breed dogs with myxomatous mitral valve disease (1). Improvements in semen quality from livestock animals given enhanced omega-3's were reviewed in another (2). Conversion of short-chain n-3 fatty acids from flaxseed was deemed to be ineffective in elevating the Omega-3 Index in Alaskan Huskies, whereas supplementation from marine sources was effective (3). In yet other 2021 papers, safety and efficacy of algal DHA in dog food were evaluated (4, 5), as were the benefits of DHAs on plasma cholesterol and triglycerides in Schnauzers (6). And coat quality, skin surface, and hair shaft metrics were scored as improved in a randomized, double blind, placebo-controlled evaluation of supplemented dogs (7).

These examples are only the “tip of the iceberg” in terms of DHA's benefits to the mammals that consume it. Because in part of its effects on membrane fluidity DHA has been studied as a critical factor in fetal and early childhood brain development, in a number of both neurodevelopmental and neurodegenerative diseases, in obesity, various inflammatory conditions, rheumatoid arthritis, cardiovascular events, immunity (human monocytes and macrophages), epilepsy, and contact hypersensitivity.

Almost all of the thousands of studies referred to herein have been conducted with pressure-expressed and heated oil fractions from either fish, or algae. The quality and quantity of all of these products sadly suffers greatly with contaminants and by-products of processing. This occurs in a manner very much akin to the toxic effects of ultra-processed foods that are finally getting the attention of both the scientific establishment and the lay press (8).

ZipZyme™ derives from a microalga, and thus does not suffer from the co-contaminants present in fish oil, or the sustainability issues surrounding that industry. Contrary to the way DHA is sourced from algae in other systems, ZipZyme™ contains the whole algal

cells, nature's delivery system. It is not extracted oil and it undergoes no heat processing during production; heat destroys the enzymes responsible for synthesizing DHA in algae. Since ZipZyme™ is grown naturally this enzymatic activity also resides in ZipZyme™'s biomass concentrate, the enzymes are not destroyed since neither heat nor high pressure is employed in the algal harvest. Consequently, the enzymes can continue to synthesize DHA from biologic precursors as long as they remain active once ingested. Thus the enzymes in ZipZyme™ are an ideal, pure, and minimally degraded delivery vehicle.

In addition to all of the traditional health benefits derived from DHA, this enzymatic activity present in ZipZyme™ not only works to produce additional DHA in the body, but directly converts glucose to DHA laden healthy fats to stop the accumulation of unhealthy saturated fats. Decades of eating ultra processed foods containing made with excess sugar have given rise to a host of modern lifestyle illnesses including obesity and type 2 diabetes. ZipZyme™ Omega provides additional health benefits that no currently available Omega 3 product can match.

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