

# LYPO OPTIMIZE<sup>TM</sup>

### for FAT DIGESTION\*

Relieves discomfort associated with digestion of fatty foods\*



#### SUPPLEMENT FACTS

Lipase Thera-blend™ 15,000 FIP

Amylase Thera-blend™ 9,000 DU

Protease Thera-blend™ 25.000 HUT

#### **OTHER INGREDIENTS:**

100% Vegetarian Capsule (cellulose, water)

#### **CONTAINS NO:**

dairy, egg, preservatives, salt, sucrose, soy, wheat, yeast, nuts, corn, gluten, casein, potato, rice, artificial colors or flavors.

#### **RECOMMENDED DOSAGE:**

1 capsule with each meal. More may be taken as needed. For cardiovascular support: 1 capsule three times daily on an empty stomach.

This unique potent lipase blend has been evaluated for its effectiveness in digesting various lipids. Sufficient digestion and absorption of fats promotes optimal digestion and wellness.

According to the American Health Association, "Dietary fats are essential to give your body energy and to support cell growth. [...] Fats help your body absorb some nutrients and produce important hormones, too. Your body definitely needs fat."

Fat is consumed from a variety of food sources including animal, dairy, and plant. The body uses the metabolic enzyme lipase to break down fats into smaller molecules necessary for proper digestion and assimilation. A variety of lipases are secreted by the body, starting with saliva and continuing throughout the digestive tract. Eventually, within the small intestine, lipase produced by the pancreas hydrolyzes triglycerides into diglycerides, monoglycerides, free fatty acids and glycerol.

Digestion and absorption of dietary fats are highly efficient processes under normal physiological conditions.<sup>2</sup> However, insufficient enzymatic activity into the duodenal lumen when consuming a meal may result in inadequate nutrient absorption.<sup>3</sup> Insufficient digestion and absorption of fats can bring on common digestive discomforts such as occasional gas, bloating, and diarrhea.<sup>4</sup>

Lypo Optimize features a unique blend of lipase, amylase and protease Thera-blend enzymes to promote efficient digestion and assimilation of fats, carbohydrates and proteins.\* Up to 90% of lipase activity from pancreatin is inactivated by gastric acid conditions.<sup>5</sup> Unlike most competing products, Enzyme Science's Lypo Optimize formulation includes fungal lipase to ensure activity throughout the acidic conditions of the gastrointestinal system.

Thera-blend enzymes are scientifically designed to provide optimal solutions for digestive health and wellness.\* While individual enzymes work within a specific pH or pH range, blended enzymes remain active across a broad pH range allowing greater interactions with substrates to promote superior digestion.\*

#### SCIENTIFICALLY FORMULATED

The exclusive lipase Thera-blend in Lypo Optimize was evaluated by a leading Florida research institute for the effectiveness and quantification of fat degradation across three

OUR QUALITY







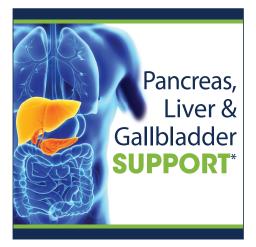


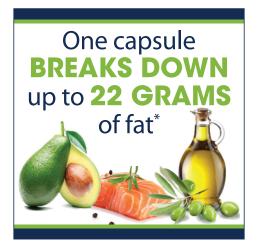


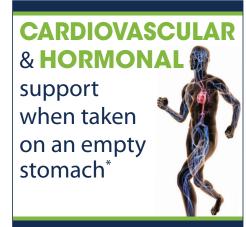




## 3 BENEFITS IN 1

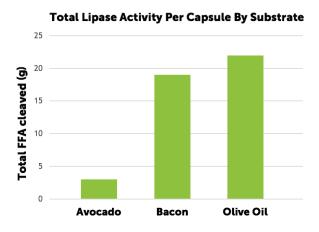






sources of commonly consumed fats. The study focused on using bacon, hass avocado, and olive oil substrates. A concentration of 15,000 active units of Lipase Thera-blend allowed fatty acids to be released as a result of enzyme activity across acidic and neutral pH ranges. The total number of grams of free fatty acids cleaved varied slightly between substrates. However, data from this study suggests one capsule of Lypo Optimize can digest up to 22 grams of fat within 30 minutes.\*

#### **STUDY RESULTS**



## LYPO OPTIMIZE ACHIEVING OPTIMAL HEALTH

In optimal health, in order to digest lipids, the body utilizes the mouth, stomach, gallbladder, and pancreas to process dietary fats from the foods we eat to provide the body with energy and to support cellular health. This complex process of fat digestion can be disrupted with insufficient mastication of food, compromised gallbladder function and/or an inadequate supply of the enzyme lipase.

Lypo Optimize works to support the body's digestion, absorption, and utilization of fats with a high potency lipase formula with supportive protease and amylase enzymes to work quickly throughout the GI tract.\*

Providing quick and efficient fat digestion may help to relieve discomfort associated with the digestion of fatty foods. By aiding the digestive system, enzyme supplementation takes stress off the gallbladder, liver and pancreas making it easier to digest foods and ensuring absorption of nutrients. While this versatile advanced formula supports optimal fat metabolism when taken with food, Lypo Optimize may also be supportive for healthy cardiovascular and endocrine health when taken away from food.

#### REFERENCES

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\* These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.