



HEALTHY ENZYMES

A DIETARY SUPPLEMENT TO SUPPORT
HEALTHY DIGESTIVE FUNCTION†

Enzymes are protein based compounds that function as catalysts to initiate and regulate the biochemical processes necessary for life. The human body produces thousands of different enzymes to catalyze reactions that are needed to maintain homeostasis, including break down, synthesis and repair.

Enzymes operate with substrate specificity, meaning they will only catalyze a reaction with a specific compound or group of compounds. For example, proteases will only catalyze the breakdown of proteins and will not react with carbohydrates or fats. The ability of an enzyme to interact with its substrate is attributed to the conformational structure of the enzyme's active site. Simply stated, the active site of a protease will "fit" with the shape of proteins where it does not "fit" with a carbohydrate or fat.

The need for enzymes are exacerbated with altered digestive function in the upper digestive tract. When stomach acid is altered there is a downstream effect on enzyme secretion from the pancreas. This creates a need for supplemental enzymes to facilitate proper breakdown, absorption and assimilation of nutrients.†

This comprehensive formula includes the following broad range of enzymes (listed below with their functions) at clinically significant levels.†

Amylase: breaks down carbohydrates.

Lipase: breaks down fats.

Proteases (such as Trypsin and Pepsin): breaks down proteins.

Cellulase: breaks down fiber.

Glucoamylase: breaks down maltose.

Invertase: breaks down sucrose.

Peptidase: breaks down casein and gluten.

Alpha-galactosidase: breaks down carbohydrates in legumes.

Xylanase: breaks down plant fibers.

Pectinase: breaks down pectin found in fruits.

Hemicellulase: breaks down plant fibers.

Phytase: breaks down minerals bound to phytic acid in plants.

Beta-glucanase: breaks down beta-glucan, a special type of fiber found in yeast, grains and mushrooms.

Supplement Facts

Serving Size 1 Capsule

Amount Per Serving

| | |
|-------------------------|--------------|
| NEC Custom Enzyme Blend | 451 mg |
| containing: | |
| Amylase | 24,000 DU |
| Pectinase | 180 endo-PGU |
| Protease 4.5 | 75,000 HUT |
| Alpha-Galactosidase | 350 GalU |
| Lactase | 1,000 ALU |
| Cellulase | 2,000 CU |
| Lipase | 3,000 FIP |
| Invertase | 800 SU |
| Protease 3.0 | 15 SAPU |
| Protease 6.0 | 3,000 HUT |
| Bromelain | 40,000 FCCPU |
| Papain | 40,000 FCCPU |
| Hemicellulase | 200 HCU |

Other ingredients: hypromellose (capsule), microcrystalline cellulose, vegetarian leucine.

Warning: If pregnant or nursing, consult your healthcare practitioner before taking this product.

Suggested Use: As a dietary supplement, take 1 capsule up to 3 times daily before a meal, or as directed by your healthcare practitioner.

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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.

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