



**SIMPLY FORMULATED  
TO DELIVER MORE.**

# ENZYME BENEFITS™

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.

VEGETARIAN / GLUTEN FREE / SOY FREE / DAIRY FREE

Sold Exclusively Through Healthcare Practitioners.

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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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