

# Cyto-Zyme

Broad-spectrum digestive enzyme support with the addition of ginger root and fenugreek seed for their carminative actions.

Vegan

Dairy Free



- Broad-spectrum digestive enzyme support to aid in the proper digestion of proteins, fats and various carbohydrate sugars
- Includes three separate proteases that activate at different pH levels to ensure optimal digestion of proteins throughout changing acidity levels of the gastrointestinal tract
- Ginger root and fenugreek seed are added for their soothing carminative actions and traditional treatment of dyspepsia and constipation
- 90 vegetable capsules per bottle

The human body's ability to digest and absorb foods requires a network of organs including the entire gastrointestinal tract, pancreas, liver and gallbladder. These organs need to work in unison as each macronutrient requires a unique set of enzymes to aid the digestive process and ensure that foods are sufficiently broken down for optimal absorption.

There are many different types of carbohydrates in our food and, therefore, many different enzymes necessary to metabolize them depending

on the specific sugars and structures. For example, lactose is a common disaccharide found in dairy products that requires lactase for digestion into glucose and galactose, while invertase is necessary to break-down sucrose into glucose and fructose. Starches require specific enzymes such as glucoamylase, amylase and diastase while polysaccharide chains in the cell wall of green plants need cellulase to cleave the glucose chains.

Dietary fats must also undergo a transformation before being taken up into the body through the digestive tract. For this, gastric and pancreatic lipase are necessary to break apart fats into individual fatty acids and glycerol. Finally, proteins require proteases and peptidases in order to create small enough peptide chains and single amino acids that can be absorbed through the gastrointestinal wall.

As one can imagine, any disturbance in the digestive system or a relative deficiency in any one of these enzymes can lead to digestive upset with symptoms of gas, bloating, constipation and suboptimal absorption. Cyto-Zyme by Cyto-Matrix provides gentle digestive support with a broad-spectrum digestive enzyme blend for all macronutrients. Three separate proteases are included in Cyto-Zyme that activate at different

pH levels to ensure optimal digestion of proteins throughout changing acidity levels of the digestive tract.

Cyto-Zyme also includes ginger root and fenugreek seed for their carminative actions and traditional use for treating dyspepsia and constipation. Available in 90 vegetable capsule bottles.

#### Each capsule contains

Ginger .....	60mg
(rhizome, Zingiber officinale)	
Fenugreek .....	50mg
(seed, Trigonella foenum-graecum)	
Protease 6.0 .....	16mg / 8,000 FCC HUT
Protease 4.5 .....	18.8mg / 15,000 FCC HUT
Protease 3.0 .....	6mg / 10 FCC SAPU
alpha-Amylase .....	18.2mg / 2,500 FCC DU
alpha-Galactosidase .....	5mg / 125 FCC GalU
Cellulase .....	1.5mg / 300 FCC CU
Glucoamylase .....	5mg / 5 FCC GU
Invertase .....	1.2mg / 200 FCC SU
Lactase .....	1.25mg / 100 FCC ALU
Malt Diastase .....	1.11mg / 200 FCC DU
Protease .....	8mg / 2,000 FCC HUT
Lipase RO .....	1.56mg / 375 FCC LU

#### Non-Medicinal Ingredients

Oryza sativa (rice) hull powder, medium chain triglycerides, dextrin, maltodextrin. Capsule: hypromellose.

#### Recommended Use Claim

Digestive enzymes.

#### Directions of Use

Adults - Take 1-2 capsules 3 times per day with first bite of food/meal or as directed by a healthcare professional.

#### Cautions and Warnings

Do not use if safety seal is broken. Consult a healthcare professional prior to use if you are pregnant, having surgery, or taking an anticoagulant/blood thinner or an anti-inflammatory, or if you have diabetes or a gastrointestinal lesion/ulcer. Consult a healthcare professional if symptoms persist or worsen.

#### Duration of Use

Consult healthcare professional for prolonged use.

#### Known Adverse Reactions

Hypersensitivity, gastrointestinal disturbance and allergy have been known to occur, in which case, discontinue use.