

## Native *Candida cylindracea* Cholesterol Esterase

Cat. No. NATE-0984

Lot. No. (See product label)

### Introduction

<b>Description</b>	Cholesterol esterase (CE) is a reversible enzyme that can hydrolyze or synthesize fatty acid esters of cholesterol and other sterols. Hydrolysis of water insoluble long chain fatty acid esters requires bile salt activation. Hydrolysis of water soluble esters of short chain fatty acids and lysophospholipids does not require activation by bile salts. It also hydrolyzes tri-, di-, and mono-acylglycerols, phospholipids, lysophospholipids, and ceramide. This monomeric glycoprotein may have multiple functions in lipid and lipoprotein metabolism, as well as in atherosclerosis.
<b>Applications</b>	Use Cholesterol Esterase in diagnostic tests for the determination of cholesterol in combination with Cholesterol Oxidase.
<b>Synonyms</b>	cholesterol esterase; cholesteryl ester synthase; triterpenol esterase; cholesteryl esterase; cholesteryl ester hydrolase; sterol ester hydrolase; cholesterol ester hydrolase; cholesterolase; acylcholesterol lipase; sterol esterase; CE

### Product Information

<b>Source</b>	<i>Candida cylindracea</i>
<b>Appearance</b>	Almost white lyophilizate
<b>Activity</b>	>10.5 U/mg
<b>Contaminants</b>	ATPase: <0.005 Glucose oxidase: <0.001 Glycerokinase: <0.001 Hexokinase: <0.005 Catalase: <1 U/mg lyophilizate "NADH oxidase": <0.005 Proteases: No limit Uricase: <0.005
<b>pH Stability</b>	5.5-6.5

### Storage and Shipping Information

<b>Stability</b>	At +2 to +8°C within specification range for 12 months. Store dry.
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