

## Native Candida Rugosa Cholesterol Esterase

Cat. No. NATE-1679

Lot. No. (See product label)

### Introduction

**Description** Cholesterol esterase (CE) is also known as cholesterol ester hydrolase. This enzyme catalyzes the following reaction: Sterol Ester -----> Sterol + Fatty Acid. Cholesterol esterase activity has been demonstrated in pancreas, intestine, liver and kidney. The enzyme is inactivated by proteolytic enzymes but stabilized by proteolytic enzyme inhibitors and by bile salts. CE from rat pancreas has a molecular weight of 65,000-69,000. In the presence of bile salts, it aggregates to a hexamer which is possibly the active form of the enzyme.

**Synonyms** cholesterol esterase; cholesteryl ester synthase; triterpenol esterase; cholesteryl esterase; cholesteryl ester hydrolase; sterol ester hydrolase; cholesterol ester hydrolase; cholesterase; acylcholesterol lipase; sterol esterase; CE

### Product Information

**Source** Candida Rugosa

**Form** Freeze-dried powder

**EC Number** EC 3.1.1.13

**CAS No.** 9026-00-0

**Purity** 0.9

**Activity** 25-100 U/mg

**Solubility** Distilled water or dilute buffer

**Unit Definition** That amount of enzyme which will catalyze the hydrolysis of one micromole of cholesterol ester, in the presence of sodium cholate, per minute at 37°C and pH 6.7.

### Storage and Shipping Information

**Storage** Store at -20° C