

## Native Limpets (*Patella vulgata*) $\beta$ -Glucuronidase

Cat. No. NATE-0332

Lot. No. (See product label)

### Introduction

**Description**  $\beta$ -glucuronidase catalyzes the breakdown of complex carbohydrates. In humans it converts conjugated bilirubin into the unconjugated form, making bilirubin suitable for reabsorption.

**Synonyms**  $\beta$ -glucuronide glucuronohydrolase glucuronidase; exo- $\beta$ -D-glucuronidase; ketodase; EC 3.2.1.31; 9001-45-0;  $\beta$ -D-glucuronoside glucuronosohydrolase; GUSB

### Product Information

**Source** Limpets (*Patella vulgata*)

**Form** lyophilized powder or aqueous solution (Aqueous solution in 0.9% NaCl with 0.02% sodium azide as preservative)

**EC Number** EC 3.2.1.31

**CAS No.** 9001-45-0

**Specificity** glucuronidase activity: 4.5 to 5.0 sulfatase activity: ~6.2

**Inhibitors** D-glucuronic acid, D-galacturonic acid, D-glucaro-1,4-lactone

**Unit Definition** One unit will liberate 1.0  $\mu$ g of phenolphthalein from phenolphthalein glucuronide per hr at 37°C at pH 3.8 (30 min assay). Sulfatase Unit Definition: One unit of sulfatase will hydrolyze 1.0  $\mu$ mole p-nitrocatechol sulfate per hr at pH 5.0 at 37°C.