

## Native *Flavobacterium heparinum* Heparinase I

Cat. No. NATE-0338

Lot. No. (See product label)

### Introduction

**Description** In enzymology, a heparin lyase (EC 4.2.2.7) is an enzyme that catalyzes the chemical reaction: Eliminative cleavage of polysaccharides containing 1,4-linked D-glucuronate or L-iduronate residues and 1,4-alpha-linked 2-sulfoamino-2-deoxy-6-sulfo-D-glucose residues to give oligosaccharides with terminal 4-deoxy-alpha-D-gluc-4-enuronosyl groups at their non-reducing ends. This enzyme belongs to the family of lyases, specifically those carbon-oxygen lyases acting on polysaccharides.

**Synonyms** EC 4.2.2.7; Heparinase I; 9025-39-2; heparin eliminase; heparinase; heparin lyase

### Product Information

**Source** *Flavobacterium heparinum*

**EC Number** EC 4.2.2.7

**CAS No.** 9025-39-2

**Molecular Weight** mol wt 42.8 kDa

**Activity** > 400 IU/mg, 100IU/ml

**Unit Definition** One international unit (IU) is defined as the amount of enzyme that will liberate 1.0  $\mu$ mole unsaturated oligosaccharides from porcine intestinal mucosal heparin per minute at 25°C and pH 7.0.

### Storage and Shipping Information

**Storage** -20°C