

## Native Staphylococcus staphylolyticus Lysostaphin

Cat. No. NATE-0429

Lot. No. (See product label)

### Introduction

**Description** Lysostaphin is a Staphylococcus simulans metalloendopeptidase. It can function as an antimicrobial against Staphylococcus aureus. Lysostaphin is a 27 KDa glycylglycine endopeptidase, an antibacterial enzyme which is capable of cleaving the crosslinking pentaglycin bridges in the cell wall of Staphylococci.

**Synonyms** Lysostaphin; EC 3.4.24.75; glycyl-glycine endopeptidase; 9011-93-2

### Product Information

**Source** Staphylococcus staphylolyticus

**Form** lyophilized powder

**EC Number** EC 3.4.24.75

**CAS No.** 9011-93-2

**Activity** Type I, > 2,000 units/mg protein; Type II, > 500 units/mg protein.

**Optimum pH** 7.5

**Unit Definition** One unit will reduce the turbidity of a suspension of Staphylococcus aureus cells from 0.250 to 0.125 in 10 min at pH 7.5 at 37°C in a 6.0 ml reaction mixture.

### Storage and Shipping Information

**Storage** -20°C