

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