

Native Streptolysin O from Escherichia coli

Cat. No. NATE-1161

Lot. No. (See product label)

Introduction

Description

Streptolysin O possesses a single polypeptide chain with a molecular weight of 62 kDa. Streptolysin O binds to membrane cholesterol and oligomerizes to create a ring structure that consists of 45 to 50 units. The ring structure inserts into the membrane to make a large pore (25 to 30 nm), which DNA, RNA, peptides and proteins may pass. It is thiol-activated. It is inhibited by allicin, an active component of garlic.

Applications

Used in the formulation of anti-streptolysin O (ASO) assays which are used in the diagnosis of group A Streptococcal based illnesses.

Synonyms

Streptolysin O; 98072-47-0; SLO

Product Information

Source

Escherichia coli

Appearance

Clear to slightly cloudy solution.

EC Number

EC.3.2.2.5

CAS No.

9032-65-9

Purity

> 90%

Concentration

> 0.8 mg/mL (Biorad method); > 0.68 mg/mL (A280 method)