

## 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)