
Product Data Sheet

Product Name: Streptolysin-O, His
Cat. No.: GP24735
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Streptolysin O; Thiol-activated cytolysin; slo.		
Formulation	Streptolysin-O is supplied in 20mM HEPES buffer pH-7.6, 250mM NaCl and 20% glycerol.		

Introduction

Streptolysin-O is a sulfhydryl-activated toxin which causes cytolysis by forming pores in cholesterol containing host membranes. After binding to target membranes, the Streptolysin-O protein undergoes a major conformation change, leading to its insertion in the host membrane and creation of an oligomeric pore complex. Cholesterol may be needed for binding to host membranes, membrane insertion and pore formation. Streptolysin-O can be reversibly inactivated by oxidation.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

Background

Recombinant Streptolysin-O produced in E.coli is a non-glycosylated, polypeptide chain having a calculated molecular mass of 61kDa. Streptolysin-O is expressed with a -6x His tag at N-terminus and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA