
Product Data Sheet

Product Name: Streptokinase

Cat. No.: GP22264

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Streptokinase; SK.		
Amino Acid Sequence	<p>IAGPEWLLDR PSVNNSQLVV SVAGTVEGTN QDISLKFFEI DLTSRPAHGG KTEQGLSPKS KLFATDSGAM PHKLEKADLL KAIQEQLIAN VHSNDDYFEV IDFASDATIT DRNGKVYFAD KDGSVTLPIQ PVQEFLKKGH VRVRPYKEKP VQNQAKSVDV EYTVQFTPLN PDDDFRPALK DTKLLKTLAI GDTITSQELL AQAQSILNKN HPGYTIYERD SSIVTHDNDI FRTILPMDQE FTYHVKNREQ AYRINKKSGL NEEINNTDLI SEKYYVLKKG EKPYDPFDRS HCLKFTIKYV DVNTNELLKS EQLLTASERN LDFRDLYDPR DKAKLLYNNL DAFGIMDYTL TGKVEDNHDD TNRIITVYMG KRPEGENASY HLAYDKDRYT EEEREVYSYL RYTGTPIPDN PNDK.</p>		
Solubility	It is recommended to reconstitute the lyophilized Streptokinase in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a 0.2µm filtered concentrated (1mg/ml) solution in PBS, pH 7.4.		

Introduction

Streptokinase is an extracellular metallo-enzyme produced by beta-haemolytic streptococcus and is used as an effective and cheap clot-dissolving medication in some cases of myocardial infarction (heart attack) and pulmonary embolism. It belongs to a group of medications known as fibrinolytics, and works by activating plasminogen through cleavage to produce plasmin.

Biological Activity

The specific biological activity measured by the ability of fibrin lysis in agarose plate was

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found to be 80000U/mg.

Stability

Lyophilized Streptokinase although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution Streptokinase should be stored at 4°C between 2-7 days and for future use below -18°C . Please prevent freeze-thaw cycles.

Background

Streptokinase Recombinant produced in E.Coli is a non-glycosylated polypeptide chain containing 414 amino acids and having a molecular weight of 47.3kDa. The Streptokinase is purified by proprietary chromatographic techniques.

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