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California Bioscience

Product Datasheet

Product Name	Streptokinase Recombinant
Cata No	CB500492
Source	Escherichia Coli.
Synonyms	Streptokinase, SK.

Description
Streptokinase is an extracellular metallo-enzymeproduced by beta-haemolytic streptococcusand is used as an effective and cheap clot-dissolving medicationin some cases of myocardial infarction(heart attack) and pulmonary embolism.
It belongs to a group of medications known as fibrinolytics, and works by activating plasminogenthrough cleavage to produce plasmin.
Streptokinase Recombinant produced in E.Coli is a non-glycosylated polypeptide chain containing 414 amino acids and having a molecular weight of 47 kd.
The Streptokinase is purified by proprietary chromatographic techniques.

Physical Appearance
Sterile Filtered White lyophilized (freeze-dried) powder.

Biological Activity
One unit will liquify a standard clot of fibrinogen, plasminogen and thrombin at pH7.5 at 37℃ in 10 min.

Purity
Greater than 98.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Formulation
The protein (1.5 MIU) was lyophilized from a sterile solution containing 12.5 mg HSA, 2.3 mg Sodium phosphate dibasic, 0.55 mg sodium phosphate monobasic buffer and 4.2 mg Sodium glutamate monohydrate.

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