



Technical Data Sheet

Recombinant Streptokinase (rSK)

Streptokinase

Streptokinase is a thrombolytic agent i.e. it dissolves vascular thrombi. This potent agent is derived from the beta haemolytic streptococci and is consequently associated with the risk of anaphylaxis. Streptokinase acts by stimulating the conversion of plasminogen to plasmin. It's a proteolytic enzyme which is able to disrupt fibrin stability and production. The half life of streptokinase is 6 hours.

Catalog Number:	RC562-12
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 47 kDa, a single non-glycosylated polypeptide chain containing 414 amino acids.
Quantity:	100µg/500µg /1mg
Purity:	>95% by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The specific biological activity measured by the ability of fibrin lysis in agarose plate was found to be 80000U/mg.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2µm filtered concentrated (1mg/ml) solution in PBS, pH 7.4.
Endotoxin:	Less than 1EU/µg of rSK as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20°C. Further dilutions should be made in appropriate buffered solutions.
Storage:	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.
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