

## Native Streptococcus hemolyticus Streptokinase

Cat. No. PHAM-261

Lot. No. (See product label)

### Introduction

**Description** Streptokinase (SK) is an enzyme secreted by several species of streptococci that can bind and activate human plasminogen. SK is used as an effective and inexpensive thrombolysis medication in some cases of myocardial infarction (heart attack) and pulmonary embolism. Streptokinase belongs to a group of medications known as fibrinolytics, and complexes of streptokinase with human plasminogen can hydrolytically activate other unbound plasminogen by activating through bond cleavage to produce plasmin.

**Applications** Streptokinase is commonly used as a thrombolytic agent in the therapy of ischemic stroke. This therapy carries the important risk of intracerebral hemorrhage. Streptokinase is also used in the treatment of complicated parapneumonic effusions and empyema where adverse reactions, allergic type, are rare.

**Synonyms** Streptokinase; SK; EC 3.4.99.0

### Product Information

**Source** Streptococcus hemolyticus

**Appearance** Appearance (Color): Conforms to Requirements Off-White to Light Yellow to Light Beige

**Form** Lyophilized powder containing ~50% total protein by biuret and sodium glutamate. Total protein composed of enzyme protein and human serum albumin.

**EC Number** EC 3.4.99.0

**CAS No.** 9002-01-1

**Activity** > 3,500 units/mg solid

**Unit Definition** One unit will liquify a standard clot of fibrinogen, plasminogen, and thrombin at pH 7.5 at 37 °C in 10 min.