

Catalog Number: 101114

Streptokinase

Molecular Weight: 47,400

CAS # : 9002-01-1

Description: Catalyzes hydrolysis of amide linkages. Forms a 1:1 complex with plasminogen which is then converted to streptokinase-plasmin. Both streptokinase-plasminogen and streptokinase-plasmin complexes can activate plasminogen. As a result of its interaction with human or rabbit plasminogen, streptokinase undergoes specific fragmentation.

Form: Lyophilized solid

Source: Prepared using HSA that has been shown by certified tests to be negative for HBsAg and for HIV and HCV antibodies.

Activity: >5,000 units/mg dry weight

Unit Definition: One unit is defined as the amount of enzyme that will liquefy a standard clot of fibrinogen, plasminogen and thrombin in 10 minutes at 37°C.

Availability size: 10Ku, 50Ku

Storage: Refrigerate (+4°C). This product is stable for 2 years as supplied.

References:

1. Wang, H., et al., *J. Infect. Dis.*, v. **171**, 85 (1995).
2. Taylor, G.J., et al., *Am. J. Carciol.*, v. **72**, 1010 (1993)
3. Damaschun, G., et al., *Eur. Biophys. J.*, v. **20**, 355 (1992)
4. Fabian, H., et al., *Biochemistry*, v. **31**, 6532 (1992).
5. Welfie, H., et. al., *Int. J. Biol. Macromol.*, v. **14**, 9 (1992)
6. Pfeil, W., et al., *Biol. Chem. Hoppe-Seyler*, v. **372**, 730 (1991).
7. Siefing, G.E. and Castellino, E.J., *J. Biol. Chem.*, v. **251**, 3913 (1976).
8. *Merck Index*, v. **12**, No. 8981
9. Comp, P.C., *Thromb. Res.*, v. **14**, 403-411 (1979).
10. Castellino, F.J., Sodetz, J.M., Brockway, W.J., and Siefing, Jr., G.E., in *Methods in Enzymology*, v. **45**, XLV, 244-257, Ed., Lorand, L., Academic Press, New York (1976).