

- ⇒ Streptokinase Injection is a product of Cadila Pharmaceuticals Limited.
- ⇒ It is a cardiovascular drug.
- ⇒ We first did analysis of a sample of streptokinase injection using following assays:
- Analysis of a sample of streptokinase injection by HPLC
  - Assay for potency of sample of streptokinase injection according to I.P.
  - Assay for potency of sample of streptokinase injection according to B.P.
  - Bacterial Endotoxin Test
- ⇒ This analysis is done for every new batch of streptokinase injection for checking the proper function of the injection.
- ⇒ After analysis of a sample, according to the limit of respective test the batch is considered as pass or fail. And the results for the sample which we analysed were within the limit of a respective test or assay. So we used the sample for further experiments.
- ⇒ Mass determination of streptokinase was done using Q-TOF Spectrometer.
- ⇒ For sequencing, PLGS V2.2.5 was used. ProteinLynx Global SERVER (PLGS 2.2.5) is a software which is used to see the sequence. The precursor of the streptokinase C (P00779 in Swiss-Prot) is identified with coverage of 57% of the streptokinase C for samples 5046.
- ⇒ Mass of a protein sample in denaturing condition is 47286.71 Da
- ⇒ Mass of a protein sample in non-denaturing condition is 47287.46 Da