



Proteinase K Solution (20 mg/ml)

Cat. No.	size
E4350-01	1 ml
E4350-02	5 x 1 ml

Concentration:

20 mg/ml (30 U/mg)

Unit definition:

One unit is defined as the amount of enzyme that liberates Folin-positive amino acids and peptides, corresponding to 1 pmole tyrosine under assay conditions in 1 minute using haemoglobin as substrate.

Storage Conditions:

Long term at -20°C.

Short term at 2-8°C.

Description:

Proteinase K is a non-specific serine protease with a very high specific activity. It has been used for isolation of RNA, DNA and inactivation of other enzymatic activities. Proteinase K is active with or without the presence of SDS and EDTA. Proteinase K is a broad-spectrum serine protease for general digestion of proteins in biological samples. The enzyme is free of RNase and DNase activities.

Quality Control:

All preparations are assayed for contaminating endonuclease, 3'-exonuclease, RNase and nonspecific single- and double-stranded DNase activities. Typical preparations are greater than 98% pure, as judged by SDS polyacrylamide gel electrophoresis.