

Data sheet

Proteinase K Solution (20 mg/mL)

Cat. No: EZ0015

Introduction

Proteinase K is a serine protease that exhibits very broad cleavage specificity. The Protein with a molecular weight 28.900 kD cleaves peptide bonds adjacent to the carboxylic group of aliphatic and aromatic amino acids. Proteinase K is not inactivated by chelating reagents such as EDTA or detergents such as SDS and is active over a wide range of pH (4.0-12.5).

Applications

- Isolation of genomic DNA from cultured cells and tissues.
- Removal of DNases and RNases during DNA and/or RNA purification.
- Determination of enzyme locations.

Kit Contents

Proteinase K Solution (20 mg/mL)	5 x 1 mL
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Storage

Proteinase K Solution is shipped on blue ice. On arrival store at -20°C for optimum stability.

Proteinase K Solution is provided in 50mM Tris-HCl (pH 8.0), 3mM CaCl₂ and 50% glycerol.

Unit Definition

One unit of the enzyme liberates Folin-positive amino acids and peptides corresponding to 1 µmol tyrosine in 1 min.

Quality Control

The product passed the quality tests for the presence of endo-, exonucleases and ribonucleases.

Proteinase K is also available in powder form.

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Notes



PRODUCT USE LIMITATION

This product is developed, designed and sold exclusively for research purposes and in vitro use only. The product was not tested for use in diagnostics or for drug development, and is not suitable for administration to humans or animals. Please refer to www.canvaxbiotech.com for the Material Safety Data Sheet of the product.