

# Proteinase K

Cat. No. GE201

Concentration: 20 mg/ml

Storage: at room temperature (15°C-25°C) for one year.

## Description

Proteinase K is a nonspecific serine protease that will hydrolyze a variety of peptide bands. Proteinase K is active in a broad range of temperature and buffers. It cannot be inactivated by metal ions, chelating agents (e.g., EDTA), or detergents such as SDS.

- Active in a wide range of buffers and pH value.
- Incubation temperature: 55-65°C; optimal temperature: 58°C
- Incubation time: 15 minutes to 48 hours; optimal incubation time: 2 hours

## Source

Purified from *Tritirachium* album

## Applications

- Preparation of DNA and RNA.
- Inactivation of RNase, DNase and enzymes.
- Isolation of genomic DNA.
- Isolation of RNA.

**For research use only, not for clinical diagnosis.**

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