

Ver. 24091

Proteinase K

Cat. No.: ORT403

Concentration: 20mg/mL

Description: Proteinase K is a nonspecific serine protease that is active in the presence of SDS or urea and over a wide range of pH, salt concentrations, and temperatures. For maximum convenience this product is supplied in 50% glycerol, in which it is stable for 1 year from date of receipt when stored at -20°C . This eliminates the nuisance of having to weigh out small amounts of lyophilized powder.

Source: Isolated from *Tritirachium album*.

Applications

- Genomic DNA isolation
- Removal of DNases and RNases when isolating DNA and RNA from tissues or cell lines
- Determination of enzyme localization
- Improving cloning efficiency of PCR products

Unit definition: One unit liberates $1\mu\text{mol}$ of Folin-positive amino acids, measured as tyrosine, at 37°C , pH 7.5, using denatured bovine hemoglobin as the substrate.

Storage: Store at -20°C . Do not store in a frost-free freezer. This product is guaranteed for 1 year from the date of receipt, if stored as instructed.