

# Proteinase K solution

Product	Con.	Cat#	Size
Proteinase K solution	20 mg/ml	IBS-BP029	5 ml

**Components :** Protease K 20mg/ml, CaCl<sub>2</sub> 1mM, Tris-HCl pH8.5 50mM, Glycerol 50%

**Storage Conditions :** Freeze

## Description :

Proteinase K from the fungus *Engyodontium album* is a nonspecific serine protease that is useful for general digestion of proteins.

- Over a wide pH range (optimal activity between 6.5 and 9.5)
- Under denaturing conditions (e.g., in the presence of SDS or urea)
- In the presence of metal chelating agents (e.g., EDTA)
- At comparatively high temperatures (optimum digestion temperature is 65°C)

## Applications

- Isolation of plasmid and genomic DNA
- Isolation of RNA
- Inactivation of RNases, DNases and enzymes in reactions
- Removal of enzymes from DNA to improve cloning efficiency
- PCR purification