



Proteinase K

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Cat.No: 13.2164.71

Amount: 100 mg



BATCH

Batch Number	Production Date	Amount	Condition
20221011-132164	2022-11-10	100 mg	Powder



PRODUCTION

Non-specific protease for protein digestion in molecular biology. The enzyme is for example used in nucleic acid preparation to remove DNase and RNase. The protein is produced recombinantly in *Pichia pastoris* with the gene of the endolytic protease from *Tritirachium album*.



ISOLATION OF GENOMIC DNA AND PLASMIDS

Please solve 10E8 cells or 50 mg tissue for the isolation of genomic DNA or plasmid in 1 ml buffer (0.5% SDS) and 1 mg Proteinase K. Incubate the Cell-ProteinaseK-Solution over night at 40 – 50°C



INACTIVATION OF PROTEINASE K

For the inactivation of the Protease please heat the solution for 10 min at 70 -95°C. To avoid residual activities of the protease you may add inhibitors like PMSF.



INFORMATION

Purity	> 95%
Enzyme Activity	> 30 U/mg dry weight
Storage	2 – 8 °C
DNA & RNA Contamination	None
DNase Contamination	None
RNase Contamination	None
The product has a shelf life of 3 years when stored correctly.	