

Product Information

Proteinase K, 20 mg

C/No. K.RGT-9111-20mg
Packaging 20 mg Proteinase K
1 mL Proteinase K Buffer
Storage Room Temperature
(21 °C – 25 °C)
After reconstitution, store at –20 °C

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Description

Proteinase K is a protease that is widely used for protein digestion during nucleic acid extraction to remove unwanted proteins. It inactivates endogenous enzymes such as DNases and RNases during the isolation of high molecular weight nucleic acids.

Preparation Instruction

Dissolve powder in the provided Proteinase K Buffer.

Applications

- DNA/RNA extraction
- Digestion of unwanted proteins
- Removal of nucleases
- Mitochondrial Isolation

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Stability

Undissolved Proteinase K powder and Proteinase K Buffer can be stored at room temperature for 24 months. After reconstitution, aliquot Proteinase K Solution into multiple tubes to avoid repeated freeze-thaw and store at –20 °C.

Recommended Working Conditions

Incubation Temperature: 25 °C – 65 °C

Incubation Time: 15 minutes – 48 hours

Quality Control

Nuclease Assay

No detectable contaminating endonuclease or exonuclease activity.

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