

Proteinase K, 20 mg/ml Solution**PG-591-1ml**

Proteinase K, 20 mg/mL Solution is a ready-to-use proteolytic enzyme solution widely used in molecular biology for DNA and RNA purification. It efficiently digests proteins and inactivates nucleases, improving nucleic acid recovery and quality. Store at **-20 °C** and avoid repeated freeze-thaw cycles to maintain enzyme activity.

Details

Product Name	Proteinase K, 20 mg/mL Solution
Description	A broad-spectrum serine protease used for the digestion of proteins and inactivation of nucleases during nucleic acid purification procedures.
Molecular Weight	28.9 kDa
Appearance	Clear to slightly hazy, colorless to pale yellow solution
Formula	Protein enzyme (no fixed molecular formula)
Solubility	Fully soluble in aqueous buffers
pH	Typically 7.5–8.0
CAS Number	39450-01-6
Storage Condition	Store at -20 °C for long-term storage. Avoid repeated freeze-thaw cycles.
Applications / Uses	Used in DNA and RNA extraction, removal of protein contaminants, genomic DNA isolation, tissue digestion, cell lysis, and molecular biology workflows.
Safety	.

May cause irritation to eyes, skin, and respiratory tract. Avoid inhalation, ingestion, and direct contact. Wear appropriate PPE including gloves, lab coat, and safety goggles. Store tightly closed and handle according to laboratory safety guidelines