

Urea, 1KG (fine crystals)**PG-8730-1KG**

Urea is a highly purified chaotropic agent widely used in molecular biology, biochemistry, proteomics, and electrophoresis applications. It disrupts hydrogen bonding within proteins and nucleic acids, making it an essential reagent for protein denaturation, nucleic acid hybridization studies, and the preparation of denaturing polyacrylamide gels. Urea is commonly utilized in DNA sequencing, RNA electrophoresis, protein purification, and molecular biology research.

Details

Parameter	Specification
Product Name	Urea
Chemical Name	Carbamide
Molecular Formula	CH ₄ N ₂ O
Molecular Weight	60.06 g/mol
Appearance	White crystalline powder
Purity	≥ 99%
Melting Point	132–135°C
Solubility	Freely soluble in water
CAS Number	57-13-6
Storage:	RT

Applications: Denaturing Polyacrylamide Gel Electrophoresis (Urea-PAGE), DNA Sequencing Gels, RNA Electrophoresis, Protein Denaturation Studies, Protein Purification and Refolding, Nucleic Acid Hybridization, Proteomics Research, Molecular Biology Research, Biochemical Assays etc