

Guanidine Hydrochloride, 500G**PG-7820-500G**

Guanidine Hydrochloride (GuHCl) is a powerful chaotropic agent widely used in molecular biology, biochemistry, proteomics, and protein chemistry applications. It effectively denatures proteins, disrupts hydrogen bonding, and inactivates nucleases, making it an essential reagent for nucleic acid purification, protein solubilization, protein folding studies, and chromatography workflows. Guanidine Hydrochloride is commonly employed in DNA/RNA extraction buffers and protein denaturation protocols.

Details**Product Name** Guanidine Hydrochloride**Chemical Name** Guanidinium Hydrochloride**Molecular Formula** CH_6ClN_3 **Molecular Weight** 95.53 g/mol**Appearance** White crystalline powder**Purity** $\geq 99\%$ **Solubility** Freely soluble in water**pH (6 M Solution)** 4.5 – 6.0**CAS Number** 50-01-1**Storage Condition** : RT

Applications: DNA and RNA Extraction, Nucleic Acid Purification, Protein Denaturation and Solubilization, Protein Refolding Studies, Inclusion Body Solubilization, Chromatography Sample Preparation, Enzyme Inactivation, Proteomics Research, Molecular Biology and Biochemistry Applications