

D-GLUCOSE (DEXTROSE) ANHYDROUS, 1KG**PG-8810-1KG**

D-Glucose (Dextrose) Anhydrous is a purified monosaccharide carbohydrate widely used in microbiology, molecular biology, biotechnology, pharmaceutical formulations, and cell culture applications. It serves as an energy source for microbial growth and cellular metabolism and is commonly used in culture media preparation and biochemical research.

Details

Product Name	D-Glucose (Dextrose) Anhydrous
Chemical Name	D-(+)-Glucose, Anhydrous
Molecular Formula	$C_6H_{12}O_6$
Molecular Weight	180.16 g/mol
Appearance	White crystalline powder
Purity	≥99% (typical, depending on grade)
CAS Number	50-99-7
Solubility	Freely soluble in water; slightly soluble in ethanol
pH (10% Solution)	4.0 – 6.5
Melting Point	146–150°C (decomposes)
Storage Condition	Store at 15–25°C in a tightly closed container, protected from moisture
Shelf Life	Refer to product label
Grade	Molecular Biology / Microbiology / Laboratory Grade (as applicable)
Applications / Uses	Preparation of microbial culture media, cell culture applications, fermentation processes, biochemical research, pharmaceutical formulations, and biotechnology applications
Safety	

Generally regarded as non-hazardous under normal laboratory conditions. Avoid inhalation of dust and contact with eyes. Use appropriate laboratory PPE, including gloves, lab coat, and safety glasses. Store in a cool, dry place away from moisture.