

TRIS BUFFER, 1KG
PG-7940-1KG

Tris Buffer is a widely used biological buffer that helps maintain stable pH in laboratory experiments. It is commonly used in molecular biology, biochemistry, and protein and DNA research, especially in electrophoresis and enzyme reactions. Tris is water-soluble, easy to prepare, and effective in maintaining alkaline pH conditions. It is a standard laboratory reagent because of its reliability and stability.

Parameter	Details
Product Name	Tris Buffer
Description	A widely used biological buffer that maintains stable pH in biochemical and molecular biology experiments such as DNA/RNA work, protein studies, and electrophoresis.
Molecular Weight	121.14 g/mol
Appearance	White crystalline powder
Formula	$C_4H_{11}NO_3$
Solubility	Highly soluble in water
pH (1% Solution)	10.0 – 10.5 (basic solution)
CAS Number	77-86-1
Storage Condition	Store at room temperature (15–30 °C) in a tightly closed container; keep dry and protected from moisture
Applications / Uses	Used as a buffering agent in molecular biology, biochemistry, cell culture, protein purification, and electrophoresis systems

Safety

Tris buffer is a low-hazard chemical but may cause mild eye, skin, or respiratory irritation. Use basic PPE such as gloves, lab coat, and goggles, and avoid inhaling dust. In case of contact, rinse with plenty of water and move to fresh air if inhaled. Store in a tightly closed container at room temperature, kept dry and away from oxidizing agents. Dispose of according to standard laboratory guidelines..