

TG-SDS 10X LIQUID CONCENTRATE, 1L**PG-7030-1L**

TG-SDS 10X Liquid Concentrate is a ready-to-use concentrated electrophoresis running buffer designed for protein separation applications. It contains Tris, Glycine, and Sodium Dodecyl Sulfate (SDS) in optimized proportions to provide consistent conductivity, buffering capacity, and protein migration during SDS-PAGE electrophoresis. The concentrate is diluted to a 1X working solution before use and is suitable for routine laboratory and research applications.

Parameter	Details
Product Name	TG-SDS 10X Liquid Concentrate
Description	Concentrated Tris-Glycine-SDS electrophoresis running buffer for SDS-PAGE applications.
Molecular Weight	Not Applicable (Mixture)
Appearance	Clear, colorless liquid
Formula	Mixture of Tris Base, Glycine, and Sodium Dodecyl Sulfate (SDS)
Solubility	Completely miscible with water
pH (1X Solution)	8.3 ± 0.2
CAS Number	Mixture (Not Applicable)
Storage Condition	Store at 15–30°C in a tightly closed container. Protect from contamination and direct sunlight. Do not freeze.
Applications / Uses	Running buffer for SDS-PAGE electrophoresis, protein separation, protein molecular weight determination, and routine electrophoresis applications.

Safety

TG-SDS 10X Liquid Concentrate is intended for laboratory use only. The solution may cause mild irritation to the eyes, skin, and respiratory tract due to the presence of SDS. Wear appropriate personal protective equipment (PPE), including gloves, safety glasses, and a laboratory coat when handling. Avoid contact with eyes and prolonged skin exposure. In case of contact, rinse thoroughly with water. If swallowed, seek medical advice. Store in a tightly closed container away from incompatible chemicals and dispose of according to local laboratory regulations.