




Gene to Protein Pvt. Ltd.

Gene to Protein Pvt. Ltd.

 www.genetoprotein.com

 info@genetoprotein.com

 800 GENOME, 800 GENETIC

Protein loading dye 5X (For SDS-PAGE)



Cat# BUF23-5 BUF23-5-S

Pack Size: 1mLx5 500µL

Concentration: 5X

Box Contents:

S.No	Components	BUF-23-5	BUF-23-5-S
1	Protein Loading Dye 5X	1mL x 5	500 µL

Introduction:

This sample buffer is designed for the preparation and loading of protein samples onto SDS-PAGE gels. The 5X concentration enables the efficient dilution of samples, allowing for the loading of more proteins per well.

Composition:

Typical components may include SDS (Sodium dodecyl sulfate), glycerol, a tracking dye (such as bromophenol blue), and a reducing agent (such as DTT or β -mercaptoethanol). Exact concentrations is proprietary.

Applications:

- Denaturation and loading of protein samples for SDS-PAGE.
- Compatible with most protein electrophoresis systems.

Directions for Use:

- Dilute the sample in a 1:4 ratio with Protein Loading Dye 5X (e.g., mix 4 parts sample with 1 part buffer).
- Heat the sample to 95-100°C for 5-10 minutes to denature the proteins.
- Cool the sample to room temperature.
- Load the sample onto the SDS-PAGE gel wells.

Storage Conditions:

Store at room temperature.

Safety Considerations:

Include warnings and precautions related to the handling and disposal of SDS and other potentially hazardous components.

Quality Control:

Specifications and quality assurance details as applicable.