

5X SDS-PAGE Loading buffer

Cat. No: E-BC-R288

Size: 2mL/5mL/10mL

Cat	Products	2 mL	5 mL	10 mL	Storage
E-BC-R288	5X SDS-PAGE Loading buffer	1 mL× 2	1 mL× 5	1 mL× 10	-20°C

Introduction

This product is a loading buffer for protein samples with SDS-PAGE electrophoresis. The SDS contained in the product can be combined with the protein to form a SDS-protein complex, which bring a large amount of negative charge to the protein. SDS can break intramolecular and intermolecular hydrogen bonds, and destroy the secondary and the tertiary structure of protein. The product contains a modified version of reducing agent, which can break the disulfide bond between cysteine residues, destroy the structure of proteins, eliminate the difference between protein structures, and replace the irritating odor and certain toxicity of DTT. Ultimately, the rate of protein migration in the SDS-PAGE is only related to its molecular weight. Bromophenol blue is used as an indicator for electrophoresis to determine the progress of electrophoresis.

Instructions

1. Dissolve 5× SDS Loading Buffer at room temperature or with water bath.
2. Add 5 μL 5× SDS Loading Buffer per 20 μL protein sample and mix fully.
3. Mix well and leave for about 20 minutes to add samples into the well of SDS-PAGE gel.

Storage

Store at -20°C for 12 months.

Cautions

1. SDS precipitation may occur when this product is stored at -20°C. If precipitation occurs, dissolve in warm water before use. Please store in appropriate packaging according to the usage.
2. When using this product, it will be viscous, hanging on the wall, and not easy to adsorb, which is a normal phenomenon.
3. This product does not contain pungent odor DTT and toxic mercaptoethanol, the improved version of reducing agent has the same reducing effect, and is safe and odorless.
4. This product is suitable for denatured polyacrylamide gel electrophoresis.
5. This product is for professional scientific research only.
6. For your safety and health, please wear a lab coat and disposable gloves.

For Research Use Only