

TOOLS SDS-PAGE Loading Buffer (5X)

Cat. no.: TAAR-TB2

Product Size: 3 mL

Storage: Store at -20°C for 1 year.

Introduction

Based on bromophenol blue dye, SDS-PAGE Protein Loading Buffer is a type of 5X concentrated solution containing said dye, SDS, DTT, glycerol, and Tris-HCL loading buffer. It can be used in SDS-PAGE protein loading for common proteins.

Protocol

1. Mix the sample with SDS-PAGE Protein Loading Buffer (5X) at a ratio of 4:1 (i.e., add 4 mL of protein sample to 1 mL of SDS-PAGE Protein Loading Buffer). Denaturize at 100°C for 3–5 minutes, and then load and electrophorese.
2. Stop the electrophoresis when the bromophenol blue dye reaches the bottom of the gel.

Note:

1. If SDS sediments appear when bringing the SDS-PAGE Protein Loading Buffer 5X to room temperature, attempt to melt them with warm water.
 2. This buffer contains some DDT or mercaptoethanol, and therefore, you may encounter a sharp smell.
 3. Please operate while using gloves in a fume hood.
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The product is for research only; not for diagnostic or clinical use.