



YamayBio

Protein Sample Loading Buffer (Denaturing, non- Reducing, 5×)

INSTRUMENT MANUAL

Research use only.
Not for diagnostic procedures.

Contents and storage

Protein Sample Loading Buffer (Denaturing, non-Reducing, 5×)

GB4354 1mL×10

Storage: Store at -20°C for 12 months. Product shipped at room temperature.

Introduction

This product is a ready-to-use 5× SDS-PAGE sample loading buffer formulated for non-reducing conditions and includes a blue dye as a buffer-front marker. Upon removal from -20°C, the sample buffer thaws rapidly, saving preparation time.

Quick Start Protocol

1. Ensure the sample loading buffer is completely thawed before use.
2. Mix one volume of Sample Buffer with four volumes of protein sample (e.g., combine 5 µL Sample Buffer with 20 µL protein sample). Note: Insufficient dilution of the sample buffer may result in a diffuse dye front.
3. Boil the mixture for 5 to 10 minutes to denature the proteins.
4. Centrifuge the sample at 10,000 × g for 5 minutes. The resulting supernatant is ready for SDS-PAGE analysis.