



YamayBio

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

QUICK START GUIDE

For research use only.  
Not for use in diagnostic procedures.

# Contents and Storage

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

GB4354 1 mL × 10

**Storage:** Store at -20 °C for 12 months. The product is shipped at room temperature.

## Introduction

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

## Quick Start Protocol

1. Ensure that 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.