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MCE® MedChemExpress

SDS-PAGE Sample Loading Buffer (4×)

1 Contents

Component	HY-K1100-1 mL	HY-K1100-5 mL	HY-K1100-10 mL
SDS-PAGE Sample Loading Buffer (4×)	1 mL	1 mL × 5	1 mL × 10

2 Introduction

SDS-PAGE Sample Loading Buffer (4×) is appropriate for loading protein samples on SDS-PAGE.

The Buffer contains the coomassie brilliant blue (CBB) G250 and Tris (2-carboxyethyl) phosphine hydrochloride (TECP, DTT Substitute), without Dithiothreitol (DTT) and 2-Mercaptoethanol. The migration speed of proteins is inversely proportional to its molecular weight, the smaller the molecular weight, the faster the migration speed.

3 Protocol

1. Dissolve the SDS-PAGE Sample Loading Buffer (4×) at room temperature or in a water bath not exceeding 37°C, avoid prolonged exposure the Buffer to the water bath.
2. Add 1 μL of SDS-PAGE Sample Loading Buffer (4×) to each 3 μL of protein sample, mix well.
3. Heat at 85°C or in a boiling water bath for 3-10 minutes.
4. Cool the mixture to room temperature, and add to the loading hole for electrophoresis.
5. The electrophoresis stops when the blue dye reaches near the bottom of the gel.

4 Storage

-20°C, 2 years.

5 Precautions

1. Dissolve completely before using the Buffer.
2. This product is for R&D use only, not for drug, household, or other uses.
3. For your safety and health, please wear a lab coat and disposable gloves to operate.