

1. Safety warnings and precautions

Correct operations are necessary. Safety warnings and precautions of this product. The complete instructions should be read and fully understood before attempting to use the product.

The Procedure described in the instruction manual applies only to the use for the intended purpose. Using the product for any purpose other than the intended use or in any manner other than that described in the manual is forbidden.

User shall be liable for all safety measures needed for any use other than specified in the manual.

2. Introduction

EzApply is a reagent used for the preparation (SH group reduction and SDS addition) of protein samples such as crude cell extract for SDS-PAGE.

3. Package

EzApply 30mL1 bottle

DTT5 bottles

4. Components

EzApply is mixed with sample at a ratio of 1:1.

- 100mM Tris-HCl (pH8.8)
- 2% SDS (w/v)
- 20% Sucrose (w/v)
- 0.06% Bromophenol blue (BPB) (w/v)
- 100 mM DTT (dissolve in 5 mL of EzApply)

5. Procedure

1. Thaw frozen EzApply at room temperature. SDS may be crystallized during thawing, which does not affect the quality of the product. Dissolve the crystalline completely before use.

2. Add 5 mL of EzApply to a bottle containing crystalline DTT.

3. Shake the bottle until DTT is dissolved completely. When it is difficult to dissolve, warm the bottle with hands.

4. Mix DTT-added EzApply with sample at a ratio of 1:1 and boil for 5 minutes.

If the sample is solid, it should be dissolved in 2-fold diluted DTT-added EzApply.

5. Apply the sample to the electrophoresis gel and carry out SDS-PAGE according to the instruction manual for the apparatus.

6. Storage

· EzApply should be stored at -20°C. Unopened reagent is stable until mentioned expiration date.

· DTT is susceptible to oxidation. The bottles containing DTT should be closed tightly.

· DTT-added EzApply should be stored at -20°C and used within 1 week.

· EzApply is generally shipped at low temperatures. Although refrigeration for 2 or 3 days does not affect the quality of the product, store it at -20°C as early as possible after receipt.

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