

AE- 1430 EzApply

operating instructions

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1. Precautions for safe use of this product

To use this product safely, please read this instruction manual carefully first. Please refrain from operating the product until you fully understand the contents of this instruction manual. This instruction manual describes only how to use this product for the specified purpose. Please refrain from using the product for purposes or in ways not described in this instruction manual. If you use the product for purposes or in ways not described in this instruction manual, you are solely responsible for all necessary safety measures and unforeseen circumstances. Also, please carefully read and understand the instruction manuals of any devices you will be using at the same time.

2. Purpose of use

This product is a pretreatment solution for protein samples for SDS-PAGE . It reduces SH groups and adds SDS .

3. Product configuration

Name	Capacity	Quantity
EzApply	30 mL	1 bottle
DTT	powder	5 bottles

4. Composition

Dissolve DTT powder in the EzApply solution included with this product . Mix an equal amount with the sample . When applying to an electrophoresis gel, It will be 1/2 concentration .

Name	Main component
EzApply	2-Amino-2-hydroxymethyl-1,3-propanediol Sodium Dodecyl Sulfate Sucrose Bromophenol Blue Dithiothreitol

This product contains substances subject to notification that exceed the exemption quantities specified under the PRTR Act and the Industrial Safety and Health Act. For details, please download and refer to the SDS for this product from the ATTO website (<https://www.atto.co.jp>).

5. Disposal method

- Dispose of each reagent in accordance with the disposal method of your affiliated institution.
- Bottle Material
30mL Body and lid: polyethylene
10mL Body: Polyethylene terephthalate
Lid: Polypropylene

6.Storage

- Please store this product in the freezer (-20°C) immediately after arrival. Refrigerating for 2-3 days during transportation will not affect the quality.
- Unopened products are stable within the expiration date (six months from the date of manufacture) .
- **EzApply** mixed with DTT is dispensed into small aliquots according to the amount to be used. Store at -20°C and use within 3 months.
- Keep the DTT bottle protected from light . Store at -20°C. DTT oxidizes easily , so please seal it tightly.

7.How to use

- ①Thaw the frozen **EzApply** at room temperature.
* If SDS is precipitated, gently stir until it is completely dissolved.
- ②Add 5mL of **EzApply** to the bottle containing DTT powder.
- ③Stir slowly until the DTT powder is completely dissolved.
* The powder is difficult to dissolve, so warm it gently with your hands.
- ④Mix an equal amount of **EzApply** containing DTT with the protein sample.
Heat at 95°C for 5 minutes.

*If the sample is solid, dilute **EzApply** to half its original concentration and dissolve.

* The protein concentration should be approximately 1 mg/mL.
- ⑤ Apply to the gel for electrophoresis.

8.Additional information

For electrophoresis, please follow the instructions provided with the electrophoresis equipment.



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