

EzTBS

Instruction Manual

Aug 6, 2025 3rd edition

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 reagent used for preparing blocking solutions and antibody dilutions in Western blotting, and for washing blotting membranes. It can also be used as a washing solution for immunostaining of cells and tissues.

3. Product Configuration

Name	Volume	Quantity
EzTBS	1000 mL	1

4. composition

Name	Composition
EzTBS	0.25 M Tris-HCl (pH7.5), 1.5 M NaCl (Stock solution 10 times the concentration of the working solution.)

This Product does not contain any poisonous or deleterious substances under the Poisonous and Deleterious Substances Control Law, or any substances subject to notification that exceed the exemption amounts stipulated under the Industrial Safety and Health Law or the PRTR Law. For details, please download the SDS for this product from the ATTO website (<https://www.atto.co.jp/>).

5. Storage

- Store **EzTBS** at room temperature (15-30°C), away from direct sunlight. It is stable if unopened and within the expiration date (1 year from the date of manufacture).
- **EzTBS** is sterilized, but once opened, it may become contaminated with bacteria and other substances, and the sterility may not be maintained.
- **EzTBS** does not contain preservatives. Do not add blocking agents to the stock solution.

6. Disposal method

- Dispose of each reagent in accordance with the disposal method of your affiliated institution.
- Bottle material Body and lid: Polypropylene

7. Items required other than this product

- Distilled water
- **EzTween**, **EzBlock** Series etc.

8. Precautions for Use

- This product is a 10x stock solution. When using, dilute according to the instructions.
- **EzTBS** is sterilized, but please note that after opening, the sterility may not be maintained due to contamination by various bacteria, etc.
- **EzTBS** does not contain a preservative, so please be careful of contamination by various bacteria, etc. when opening.
- Does not contain sodium azide, which inhibits the activity of HRP (horseradish peroxidase).

9. How to use

A. When using for washing blotting membrane

1. Dilute **EzTBS** 10 times with distilled water. For example, add 90 mL of distilled water to 10 mL of **EzTBS** and mix.

*Add a surfactant such as Tween 20 or TritonX-100 as necessary.

*Add surfactant at a final concentration of 0.02-0.5%. In the standard protocol, the final concentration is 0.1%.

*You can also add a surfactant to the stock solution beforehand (final concentration 0.2-5%). Add it to a concentration 10 times that used in the working solution.

*If you use it at a high salt concentration, add a salt such as NaCl as necessary.

B. When using as antibody diluent

1. Dilute **EzTBS** 10 times with distilled water. For example, add 90 mL of distilled water to 10 mL of **EzTBS** and mix.

2. Add a surfactant such as Tween 20 or TritonX-100 as necessary.

*Add surfactant to a final concentration of 0.02-0.5%.

*You can also add surfactant to the stock solution beforehand and store it (final concentration of 0.2-5%). Add it to a concentration 10 times that used in the working solution.

3. Add a blocking agent (AE-1475, 1476, 1477 **EzBlock** series) if necessary.

*You can also use blocking reagents such as gelatin and skim milk instead of **EzBlock** series.

*When adding **EzBlock** series, mix **EzBlock** series working solution with **EzTBS** working solution. Generally, when used as an antibody diluent, use it at a concentration of 1/5-1/10 of the blocking solution. Mix **EzBlock** series and **EzTBS** in a ratio of 1:5-10.

10. Reference materials

Even with the same blotting protocol, slight differences in technique can produce significantly different results. Tips and tricks are also important for obtaining optimal results.

Please read the "Tips for Western Blotting" which can be downloaded from the ATTO website.

<https://www.atto.co.jp>.



ATTO CORPORATION

3-2-2 Motoasakusa, Taito-ku, Tokyo 111-0041, JAPAN

www.attoeng.com/



Contact