

## 1. Caution for safety use of this product

For safety use of this product, please read this instruction manual thoroughly. Please do not use this products until fully understand the contents of this instruction manual adequately before using. Please note that this instruction manual provides only the methods to apply this product to the intended purpose. Please do not use this product for purposes/by methods not described in this instruction manual. If it is used for a purpose/by a method not described in this instruction manual, the user shall assume all responsibilities for taking necessary safety measures and dealing with unexpected circumstances. In addition, please read instruction manuals of devices used together thoroughly and understand them well.

## 2. Purpose of Use

EzTBS is Tris-buffered saline, used as wash buffer of the membrane or as diluents of blocking reagents and antibodies in western blotting experiment. It is also used as wash buffer for immuno-staining experiments of cells and tissues.

## 3. Product Components

Product name	Capacity	Quantity
<i>EzTBS</i>	1000 mL	1pc

## 4. Composition

Product name	Component
<i>EzTBS</i>	0.25 M Tris-HCl (pH7.5) 1.5 M NaCl (10times density of working solution)

## 5. Storage Method

- Storage EzTBS in room temperature and avoid direct sunlight. Expiry date is one year from a production date without opening the package .
- Although EzTBS is sterilized, it may not keep sterilization after opening the package.
- EzTBS does not include preservatives. Do not add blocking reagents to EzTBS (10x) as a stock buffer .

## 6. Disposal Method

- Bottle/body/Cap : Polypropylene

## 7. Additional Equipment

- Distilled water
- *EzTween* 、 *EzBlock series etc.*

## 8. Precautions for Use

- EzTBS is 10 times concentrated solution.
- Since EzTBS do not include preservatives, take care to protect from the contamination when open the bottle.
- EzTBS does not include sodium azide which has inhibitory effect on HRP (horse radish peroxidase) enzymatic activity.

## 9. Direction of Use

### A. Using for washing a blotting membrane

1. Dilute EzTBS to 10 times with distilled water. example, mix 10 mL of EzTBS with 90 mL of distilled water.
2. Add appropriate surfactants such as Tween 20 or Triton X-100 to EzTBS, as necessary.
  - \* Usually, surfactants are added at the final concentration of 0.02~0.5% in EzTBS working solution. The surfactant concentration of 0.1% is recommended in ATTO standard protocol.
  - \* EzTBS containing surfactants (0.2~5%) can be stored as a stock solution (10x conc.).
  - \* Add appropriate concentration of salt to EzTBS working solution, as necessary.

### B. Using for diluent of antibody

1. Dilute EzTBS to 10 times with distilled water . For example, mix 10 mL of EzTBS with 90 mL of distilled water.
2. Add appropriate surfactants such as Tween 20 or Triton X-100 to EzTBS, as necessary.
  - \* Usually, surfactants are added at the final concentration of 0.02~0.5% in working solution. The surfactant concentration of 0.1% is recommended in ATTO standard protocol.
  - \* EzTBS containing surfactants (0.2~5%) can be stored as a stock solution (10x conc.).
3. Add blocking reagent(AE-1475, 1476, 1477 EzBlock series) to EzTBS as necessary.
  - \* There is available to use a Gelatin and Skim milk instead of EzBlock series.
  - \* When adding EzBlock series to EzTBS, mix working solution of EzBlock series (1x) and working solution of EzTBS (1x).
  - \* When using EzTBS containing the blocking reagents as an antibody diluent, the concentration of the blocking reagents should be lower than that of blocking solution. Dilute EzTBS containing the blocking reagents with EzTBS (1x) to 1/5~1/10.

