

Code No. 19022

**IBLysis-I (solubilization buffer)**Volume : 50 mL

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**Introduction** : IBLysis-I was developed by improving TNE buffer solution for solubilization of cultured cells and tissue. It is ready to use for pretreatment of samples.**Composition** : Tris hydrochloric acid buffer solution including NP-40 and EDTA**Application** : This product can be used for solubilization of samples such as cultured cells and tissue for ELISA, western blotting or immunoprecipitation.**How to use** : Practical examples

For cultured cells

- 1) Put cultured cells ( $1 \times 10^5$ - $1 \times 10^7$  cells) in 0.5 mL of IBLysis-I.
- 2) Mix thoroughly on a Vortex or by pipetting.
- 3) Solubilize by rotation at 2 - 8 °C for 30 minutes.
- 4) Centrifuge at 10,000 rpm for 10 minutes at 2 - 8 °C.
- 5) Use the supernatant for your experiment.

For tissue

- 1) Put an appropriate amount of tissue to IBLysis-I.
- 2) Homogenize with a homogenizer on ice.
- 3) Solubilize by leaving it undisturbed for 4 hours at 2 - 8 °C.
- 4) Centrifuge at 10,000 rpm for 10 minutes at 2 - 8 °C.
- 5) Use the supernatant for your experiment.

In order to determine the proportion of amount of target protein to total protein, it is recommended that total protein after solubilization of the sample is measured by the Lowry method etc.

**Precautions** :

1. This product should be stored at 2 - 8 °C.
2. Be careful when opening the bottle as this product includes a surfactant agent.  
In order to avoid foaming, do not stir the bottle too vigorously.
3. Avoid contact with skin and clothing and pay attention to disposal of this buffer. Wash hands after handling reagents.
4. Precipitation may occur in this buffer, however, there is no problem in the performance.
5. Do not use expired product.
6. This product is for research purpose only. Do not use for clinical diagnosis.
7. Solubilization conditions of this product vary with the type of sample. The conditions should be determined with a little sample in advance.

**Storage** : 2 - 8 °C**Expiration date** : Specified on a product.

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*For research use only, not for use in diagnostic procedures.*