Liquid Sample Protein Extraction Kit

Cat: EX1150
Size: 50T/100T
Storage: 2-8℃, valid for 1 year.

Kit Components:

Kit Components	50T	100T	Storage
Reagent A: Protein Extraction Reagent A	5mL	10mL	RT
Reagent B: Protein Extraction Reagent B	10mL	20mL	RT
Reagent C: Protein Extraction Reagent C	5mL	10mL	2-8℃

Note:

1. Use the reagent as soon as possible after unpacking!

Introduction:

Liquid sample protein extraction kit is suitable for extracting protein from cell culture supernatant, bacteria, yeast culture supernatant, cerebrospinal fluid, urine and other liquid samples. The extraction process is simple and convenient, and can be completed within 1h. The extracted proteins can be used for downstream protein studies such as Western Blotting and protein electrophoresis.

Self-prepared Reagents and Instruments:

Centrifuge, oscillator, vortex mixer, pipette, refrigerator, ice box, PBS buffer, protein quantification kit, centrifuge tube, suction tip, disposable gloves.

Product Features:

1. Easy to use, shorten the time of protein extraction to 1h.
2. Containing protein stabilizer, the extracted protein is stable.
3. High repeatability.

Protocols:

First, use precautions

1. Before the formal experiment, please select several samples to do pre-experiment, in order to optimize the experimental conditions and achieve the best experimental results
2. Centrifuge the reagent in the screw cap microreagent tube briefly before opening the cap, and centrifuge the liquid on the cap and inside wall to the bottom of the tube to avoid reagent loss when opening the cap.
3. All reagents in the process of the experiment must be pre-cooled; All utensils must be pre-cooled in a -20℃ refrigerator. The sample must be kept at a low temperature during the whole process.
4. Do not mix with other brands of reagents, otherwise the effect will be affected.
5. Contamination of the sample or reagent with bacteria or fungi or cross-contamination of reagents may result in false results.

Second, liquid sample protein extraction

1. Add 100μL reagent A to the 900μL sample of liquid to be extracted and mix thoroughly.
2. Leave in ice bath or refrigerator at 4°C for more than 30min.
3. Centrifuge at 4°C, 12000×g, for 10min.
4. Carefully remove the supernatant and discard, leaving precipitation.
5. Add 200μL reagent B to the centrifuge tube.
6. Centrifuge at 4 ° C, 12000×g, for 10min. Discard the supernatant and leave to precipitate.
7. Dissolve the protein precipitate with 40-100ul reagent C and mix thoroughly.
8. Centrifuge at 4°C, 10000×g, for 10min.
9. Collect the supernatant for downstream experiments.

Note:

1. This kit is intended for scientific research only and is not intended for diagnosis or treatment.
2. It is best to use disposable suction heads, tubes, bottles, or glassware, and reusable glassware must be washed and thoroughly removed of residual cleaners before use.
3. All samples and exposed glassware should be disposed of in accordance with the prescribed procedure after the experiment is completed.
4. Avoid skin or mucous membranes coming into contact with the reagent.