

Bacterial Protein Extraction Kit

Cat: BC3750

Size: 50T/100T

Validity: At least 1 year.

Kit Components:

Kit Components	50T	100T	Storage
Lysate	50mL	100mL	2-8°C
Protease inhibitors (100×)	0.5mL	1mL	-20°C
PMSF(100×)	0.5mL	1mL	

Introduction:

This kit is used for extracting soluble protein from Escherichia coli. The lysate in the kit contains protease inhibitor, which has a strong effect and can quickly obtain total protein. It can be used for basic research experiments such as western blot experiment, because it contains the above-mentioned enzyme inhibitor, it can not be used for research on protein kinase. This product is only used for scientific research.

Protocols(for reference only):

1. Extraction of bacterial soluble protein

- 1) Add 10μL protease inhibitor and PMSF to 1mL cold lysate; Mix well, place on ice and set aside;
- 2) Weigh the bacteria with wet weight, and then add the newly configured lysate according to the proportion (1g: 10mL), mix well, pay attention to the operation on the ice during the process;
- 3) Transfer the mixed liquid into the ultrasonic instrument, ultrasound;

Ultrasonic conditions: total time 45min, ultrasonic time 3s, interval time 3s, the process was ice bath environment;

At the end of ultrasound, centrifugation at 4°C, 10000rpm/min, 20min;

2. Absorb the supernatant into the new tube for protein quantification or denaturation for protein experiment.

(The extracted protein is recommended to be stored at -80°C, ready to use, to avoid repeated freezing and thawing, to avoid long-term storage.)

Notes:

1. During the experiment, all reagents need to be pre-cooled or melted to ensure a low temperature environment during the operation;
2. PSMF(toxic) is now used and added, because PMSF will degrade quickly in aqueous solution.

Related Products:

R0010 *Highly effective RIPA histiocytic lysate*

R0020 *Normal RIPA histiocytic lysate*

BC3711 *Total Protein extraction kit (middle)*

BC3710 *Total Protein Extraction Kit (Strong)*