

Bacterial Protein Extraction Kit

Cat No.: BC3750

Specification: 50T /100T

Validity period: at least 1 year

Product manual:

This kit is used to extract soluble proteins from Escherichia coli. The lysate in the kit contains protease inhibitors, which has a strong effect and can quickly obtain total protein. It can be used for basic research experiments such as western blotting experiments. Because of the above-mentioned enzyme inhibitors, It cannot be used for research on protein kinases. This product is only used for scientific research.

Product content:

name	50 T	100 T	Storage
Lysis Solution	50 ml	100 ml	2-8 °C
Protease inhibitor (100×)	0.5 ml	1 ml	-20 °C
PMSF (100×)	0.5 ml	1 ml	

Operation method (for reference only):

- Extraction of bacterial soluble protein
 - Add 10ul of protease inhibitor and PMSF to 1ml cold lysis buffer; mix well and place on ice for later use.
 - Weigh the bacteria by wet weight, then add the newly configured lysate according to the ratio (1g:10ml), mix well, pay attention to the operation on ice during the process.
 - Transfer the mixed solution into the ultrasound system, and ultrasound.
Ultrasonic conditions: total time 45min, ultrasound time 3s, interval time 3s, the process is ice bath environment.
End of ultrasound, centrifugate at 4 degrees, 10000rpm/min for 20min.
- Pipette the supernatant into a new tube for protein quantification or denaturation for protein experiments.

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

Precautions:

- During the experiment, all reagents need to be pre-cooled or melted immediately to ensure a low temperature environment during operation;
- PSMF (toxic) is used now, because PMSF degrades rapidly in aqueous solution;

Related Products:

R0010 High-efficiency RIPA tissue cell lysate
R0020 Ordinary RIPA tissue cell lysate
BC3711 Whole protein extraction kit (medium)
BC3710 Whole protein extraction kit (strong)