

Bone Histamin Extraction Kit

Cat: EX1271

Size: 50T/100T

Storage: 2-8°C (Store at 2-8°C before using protease inhibitor without lid, store at -20°C after using lid)

Kit Components:

Kit Components	50T	100T	Storage
Reagent A: Bone Histamin Extract A	27mL	55mL	2-8°C
Reagent B: Protease Inhibitor Mixture B	100μL	100μL×2	-20°C
Reagent C: Protein Extract C	6mL	12mL	2-8°C
Instructions	1	1	

Introduction:

Bone histamin extraction kit is suitable for extracting total protein from all kinds of animal dense bone, loose bone and cartilage tissue samples. The extract of bone histamin contains a variety of effective ingredients, which can fully release bone histamin. The protease inhibitor mixture in the reagent ensures the integrity of the protein as much as possible. The extracted protein can be used for downstream protein research such as Western Blot and protein electrophoresis. The extraction process is simple and convenient, and can be completed within 1h.

Note:

If it is necessary to concentrate the extracted protein, perform steps 7-9 (steps 7-9 can be skipped without concentration) and bring your own acetone reagent.

Protocols:

1. Take fresh bone tissue and soak it fully in pre-cooled 1×PBS to remove the fascia and blood water on the bone, cut the bone to remove the bone marrow inside, and then soak in pure water to clean.
2. The bone tissue is cut and weighed into a mortar containing liquid nitrogen and ground into a fine powder to keep the liquid nitrogen from evaporating completely.
3. Add the bone tissue powder to the centrifuge tube and add 500μL of reagent A and 2μL of reagent B for every 200mg of bone tissue.
4. Mix well and shake at 4°C for 20min (or put on ice and shake every 5min).
5. Ultrasonic crushing, 100w, ultrasonic on 5s off 5s interval condition, ice bath ultrasonic 2min.
6. Centrifuge at 4°C, 12000×g for 10min, and take the supernatant into the centrifuge tube.
7. Add 3 times the volume of acetone (such as absorbing 300μL supernatant and 900μL acetone) into the centrifuge tube, blow and mix with a pipette gun, and put it in the refrigerator at -20°C for 20min.
8. Centrifuge at 4°C, 12000×g for 5min and discard the supernatant.
9. Add 50-100μL of reagent C to the precipitate.
10. Store the protein extract at -80°C.

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. Reagent B Avoid repeated freeze-thawing.
4. After completion of the experiment, all samples and utensils in contact should be disposed of in accordance with the prescribed procedures.
5. Avoid skin or mucous membranes coming into contact with the reagent.

Related Products:

R0020 Normal RIPA Lysate (Tissue/cell)

PR1910 Rainbow 180 Broad Spectrum Protein Marker (11-180KD)

PC0020 BCA protein concentration determination kit

P1020 1×PBS Buffer (pH7.2-7.4)

P10405 5×Protein Loading buffer (including DTT)