

Mammal Cell Protein Extraction Reagent

Catalog No. AR0103
Size 100 ml
Product Type Ready to Use

Storage
Store at 4°C for frequent use, at -20°C for at least one year.

Expiration
One year.

Product Characteristics

This reagent is bland. To avoid protein degradation by human factor, the preparation should be operated in low temperature and add proper protease inhibitor. (Use 1ml for each time. Temporary use should add 100mm PMSF 5.7µl which has high neurotoxicity and absorb easily to skin.)

Usage Method

- 1. For anchorage-dependent cell**
Remove the cultural solution, wash with PBS, normal saline or cultural solution without serum. Add proper lysate and operate with peptide to make the cell and lysate contact fully. Usually, the cell will be cleaved after 10 seconds.
- 2. For suspended cell**
Contrifuge to collect cells. Wash with PBS, normal saline or cultural solution without serum. Add proper lysate and operate with peptide to blow off the cell. Percuss with finger to make the cell cleaved fully. It's not supposed to see clear cell precipitate after full cleavage. If too many cells received, subpackage and cleavage.
- 3. After full cleavage**
10000-14000 g contrifuge for 3-5 minutes. Get the supernatant solution, and do the following operation.

Dosage of Lysate

Plate size / surface area	Reagent volume
100mm	500~1000µl
60mm	250~500µl
6-well plate	200~400µl per well
24-well plate	100~200µl per well
96-well plate	50~100µl per well

Question and solution

- 1. Low protein output ?**
The reasons of this question are low express level of protein, insufficient reagent, and reagent can not infiltrate into the cell membrane. The solutions are optimizing the transfection step, adding more reagent, and extending the culture time and shaking energetically in culture.
- 2. Can not get back membrane protein ?**
The reason of this question is that the reagent is used for extraction of nucleoprotein and cytoplasm protein. Solution: extract reagent with membrane protein