



Universal Luciferase Reporter Gene Assay Cell Lysis Buffer

F900604

Storage: Store at -20°C long term (12 months). Store in the dark.

Introduction:

Universal Luciferase Reporter Gene Assay Cell Lysis Buffer is a lysis buffer used for cell lysis in luciferase reporter gene detection. The cell samples lysed with this product are suitable for detection using various luciferase reporter gene assay kits. If the amount of lysis buffer included in the kit is insufficient, this product can be used as a supplement.

Usage method:

1. Preparation of Cell Lysis Working Solution:

Before use, thoroughly mix the Universal Luciferase Reporter Gene Assay Cell Lysis Buffer (5×) with ddH₂O at a ratio of 1:4. For example, add 1 mL of Universal Luciferase Reporter Gene Assay Cell Lysis Buffer (5×) to 4 mL of ddH₂O and mix well. Then place the mixture on ice for later use. The preparation volume should be adjusted according to experimental needs, and it is recommended to prepare the solution fresh before use.

2. Cell Lysis Methods:

Adherent cells: Aspirate the cell culture medium, gently wash the cells once with PBS to remove residual medium, then completely aspirate and discard the liquid.

Suspension cells: After centrifuging to remove the supernatant, wash the cells once with PBS, then centrifuge again to collect the cell pellet.

Add an appropriate amount of 1×cell lysis working solution as recommended in the table below. Let the cells lyse at room temperature for 15 minutes either by standing or shaking. Pipette and transfer all the cell lysate into a 1.5 mL centrifuge tube, centrifuge at 12,000 g for 5 minutes. Take the supernatant for subsequent detection, or store it in a -80°C refrigerator for later use.

Cell Culture Plate	6-well	12-well	24-well	48-well	96-well
cell lysis working solution	500μL	200μL	100μL	50μL	20μL

Precautions:

- Repeated freezing and thawing of this product may reduce its lysis efficiency. To ensure optimal performance, please avoid repeated freezing and thawing as much as possible. After the first thaw, the product can be properly aliquoted for storage.
- For your safety and health, please wear a lab coat and disposable gloves during operation.