





## SuperKine™ Trypsin-EDTA Solution, 0.25% (With Phenol Red)

Cat #: BMU109-EN

Size: 100 mL

	<b>Trypsin-EDTA Solution, 0.25% (With Phenol Red)</b>		
	<b>Cat #:</b> BMU109-EN		<b>Lot #:</b> Refer to product label
	<b>Formulation:</b> Liquid, ready to use		<b>Applicable samples:</b> Cells and Tissues
	<b>Storage:</b> Storage at -5°C or -20°C for 12 months		

### Assay Principle

SuperKine™ Trypsin-EDTA Solution, 0.25% (With Phenol Red) contains 0.25% trypsin and 0.06% EDTA, and the pH value is 7.2-7.4. After filtration and sterilization, the digestive solution can be directly used for the digestion of cultured cells or some tissues.

### Materials Supplied and Storage Conditions

Kit components	Size	Storage conditions
SuperKine™ Trypsin-EDTA Solution, 0.25% (With Phenol Red)	100 mL	-5°C or -20°C

### Materials Required but Not Supplied

- Microscope
- Sterile PBS, Hanks solution, serum-free medium or complete medium containing serum and carbon dioxide incubator (37°C, 5% CO<sub>2</sub>)
- Culture bottle or culture dish, precision pipettes, disposable pipette tips

### Reagent Preparation

**SuperKine™ Trypsin-EDTA Solution, 0.25% (With Phenol Red)** : Ready-to-use, no premixing of components required.

### Assay Procedure

#### A. Digestion of adherent cells

1. Absorb the culture medium and wash the cells with sterile PBS, Hanks solution or serum-free medium once to remove the residual serum.
2. Add a small amount of SuperKine™ Trypsin-EDTA Solution, 0.25% (With Phenol Red), slightly cover the cells, and place it at room temperature or carbon dioxide incubator (37°C, 5% CO<sub>2</sub>) for 30 s-2 min.

**Note: The digestion time of different cells is different.**

3. Under the microscope, the cells contracted obviously, and the morphology of the cells at the bottom of the culture vessel was significantly changed by visual observation; Or blow the cell with a gun and find that the cell can just be blown down. At this time, SuperKine™ Trypsin-EDTA Solution, 0.25% (With Phenol Red) was aspirated. Add the complete medium containing serum, blow down the cells, and then directly use it for subsequent experiments.

**Note: If indigestion is found, add SuperKine™ Trypsin-EDTA Solution, 0.25% (With Phenol Red) for re-digestion. If it is found that the digestion time of cells is too long and the cells are not blown in time, some of the cells have fallen off directly from the bottom of the culture vessel, and the cells are blown down directly with SuperKine™ Trypsin-EDTA**

**Solution, 0.25% (With Phenol Red). Centrifuge 1,000-2,000 g for 1-5 min, precipitate the cells, remove the trypsin cell digest as much as possible, and then add the complete medium containing serum to resuspension the cells, which can be used for subsequent experiments.**

#### **B. Digestion of tissues**

1. The time required for digestion of different tissues varies greatly, and it is usually advisable to fully disperse the tissues after digestion.

#### **Precaution**

1. In the process of using SuperKine™ Trypsin-EDTA Solution, 0.25% (With Phenol Red), special attention should be paid to avoid bacterial contamination of the digest.

2. The digestion time of trypsin cell digestive solution should not be too long, otherwise the growth of cells will be poor after planking.

**Strawberry moment:** In addition to In addition to SuperKine™ Trypsin-EDTA Solution,0.25% (With Phenol Red), Abbkine also offers Trypsin without phenol red (BMU110-EN) and other products commonly used in cell experiments, such as CCK-8 cell proliferation detection reagent (BMU106-EN), Serum/Protein-Free Cell Freezing Medium (BMU108-EN), etc. Scan the QR code on the right and follow the Abbkine official account to learn more about Abbkine products.



#### **Recommended Products**

<b>Catalog No.</b>	<b>Product Name</b>
BMU106-EN	SuperKine™ Maximum Sensitivity Cell Counting Kit-8 (CCK-8)
KTA1020	Cell Counting Kit-8 (CCK-8)
BMU108-EN	SuperKine™ Serum/Protein-Free Cell Freezing Medium

#### **Disclaimer**

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.