

Recombinant trypsin solution, with phenol red

Cat. No: PB180241

Size: 100mL / 500mL

General Information

Product Form	Liquid
Concentration	1×
pH	7.2-7.4
Dissolvent	DPBS
EDTA•2Na	0.2g/L
Phenol red	10mg/L
Storage	2-8°C
Shipping	Ice bag
Expiration date	12 months

Background

Trypsin is a serine hydrolase that can cleave the carboxyl side of lysine and arginine residues in polypeptide chains, hydrolyze proteins between the cells, and destroy the connection between the cells, so that the tissue or the adherent cells can be dispersed into individual cell. Recombinant trypsin is a ready to use product that does not contain animal derived components and can replace traditional trypsin solution. It eliminates the potential harm of pathogenic pollutants and is suitable for the dissociation of adherent cells that require no animal derived culture requirements. This enzyme has a mild digestive effect and does not require enzyme inhibitors. Its dissociation effect can be eliminated by dilution.

Instructions for use

1. Preheat the product at room temperature.
2. Wash the cells to be dissociated with PBS 1-2 times.
3. Add an appropriate amount of recombinant trypsin to dissociate cells. Note that the actual incubation time varies depending on the cell type.
4. At the end of cell dissociation, there is no need to use pancreatic enzyme inhibitors, and the dissociation effect can be terminated using culture medium.

Notes

1. This product is for research use only.
2. This product is sterilized by 0.1 µm filtration.
3. It is necessary to pay attention to the aseptic operation and avoid the pollution during the culture.
4. This product is not recommended to be directly preheated at 37°C, as there may be a certain loss of pancreatic enzyme activity