

MQ Recombinant Trypsin Solution (with Phenol Red) Cat #: TC-M-RT02100



Introduction

The MOLEQULE-ON, New Zealand recombinant trypsin with high purity and high specific activity, which is expressed by microbial recombinant fermentation, as the main raw material, and the cell digestive juice prepared by aseptic filtration. No animal-derived raw materials are used in the product, so the risk of contamination by exogenous viruses is extremely low and the product has very high biological safety. It can completely replace porcine or bovine Trypsin in various fields of bioengineering, especially in the digestion and harvesting of mammalian cells during the production of recombinant protein and vaccine products, without the use of Trypsin inhibitors to neutralize the trace enzyme activities left in the culture medium after digestion.

Applications:

1. Primary cell culture;
2. Production of recombinant proteins.

Compared with traditional trypsin, it has the following advantages:

1. Can be used in serum-containing and serum-free medium, suitable for a variety of cells;
2. Stable, can be stored in cold storage environment (2~ 8°C) for a long time;
3. Mild, minimal damage to cells;
4. After cell passage, there was no need to add extra trypsin inhibitor for neutralization, and digestion could be stopped after dilution in culture medium.
5. After digestion, the cell morphology and proliferation ability recovered very well, and the uniform single cell suspension could be obtained.

Features:

The product is prepared by Water-for-Injection and without animal-derived component.

Parameters

The product filtered sterilized

Physical appearance: Clear liquid with pinkish red color

Osmotic pressure: 270 ~ 340 MOSM /kg • H₂O

PH value: 7.0 ~ 7.4

Storage condition: 2-8°C for long term. For shipping 18-25°C

Use guide

Please wear appropriate safety gloves, lab clothes and goggles when using. The product should not be used on the human body. The environment in which the cells come into direct contact must be sterile, and the reagents used in cell culture must be sterile. Please conduct cell experiments in a sterile environment. Before moving any utensils or tools into a sterile environment, remove the outer packaging at the entrance and disinfect them with alcohol swab. For every 25cm² area use 1ml of recombinant trypsin, pre-diluted to 1X.

For laboratory use only. Not intended for any animal or human therapeutic or diagnostic uses.