

Products for adherent cell digestion

Trypelectase Recombinant Trypsin

A GMP Grade non-animal-derived trypsin that meets pharmacopoeia requirements.

Product Introduction

Trypelectase recombinant trypsin is an animal origin-free recombinant enzyme alternative to porcine trypsin for the dissociation of attachment-dependent cell lines from plasticware. The protein sequence is same as porcine trypsin.

Our product is manufactured under scalable cGMP conditons. The manufacture site has an ISO13485-certified quality management system. Trypelectase recombinant trypsin which with high quality can help move your stem cell, vaccine and Virus packaging research toward the clinic.

Product Advantages

- GMP Grade and consistent with USP,ChP standard
- Continuous and stable production between batches
- Great efficient in cell dissociation
- Animal origin-free product
- High purity, high specific activity

Product Application

Digestion and dissociation of tissue blocks, acquisition of primary cells, passage digestion and harvest of adherent cells, digestion and harvest of cells cultured by microcarrier methods

Test Data

Cell Dissociation Testing

CT26.WT and HEK293FT were well-dissociated after digestion in 3min by Trypelectase recombinant trypsin, and cell viability results indicated that they had less damage to the cells and did not affect cell passage culture.

Cell	Viability	Concentration	Digestion time
CT26.WT	98%	0.05% (m/V)	3min ± 0.04
HEK293FT	97%	0.05% (m/V)	3min ± 0.04

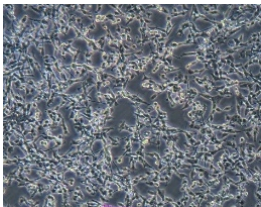
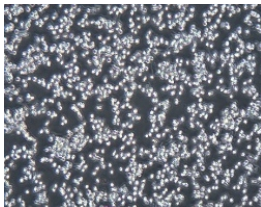
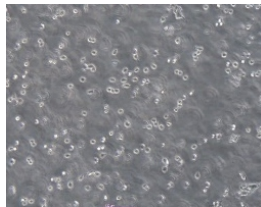
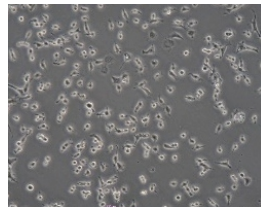
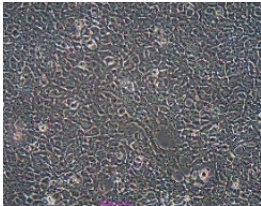
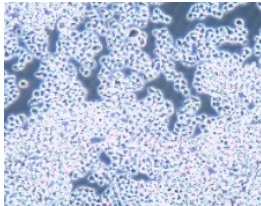
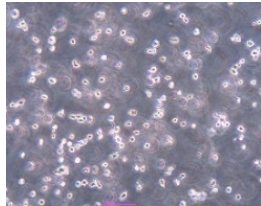
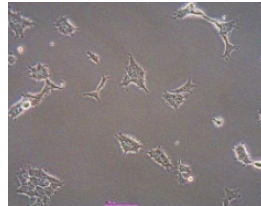
Cell	Before digestion	Digestion for 3 min	After neutralization	Adhesion after 24 h of passage
CT26.WT				
HEK293FT				

Figure. Trypelectase recombinant porcine trypsin cell digestion process and cell adhesion after 24 h of passage

Order Options

Cat.NO.	Name	Size
CYG005F0001	Trypelectase Recombinant Trypsin	1g
CYG005F0010	Trypelectase Recombinant Trypsin	10g