

Adherent cell digestion and detection products

Trypelectase Trypsin Residue ELISA Detection kit

Product Introduction

Porcine trypsin is often used in biopharmaceutical production – such as in cell preparation or product modification and activation processes, but it poses a safety risk and must be removed before final product release.

The Chaselection Trypelectase Trypsin residue ELISA detection kit is a highly sensitive kit developed for the detection of trypsin residues.It is based on the double antibody sandwich enzyme–linked immunosorbent assay and customized monoclonal anti trypsin antibodies.It has strong specificity, high sensitivity, wide linear range, good consistency and repeatability between batches, and is very suitable for process development, process control, and final quality control.

Product Features

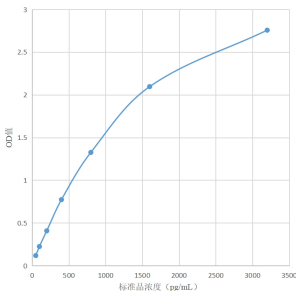
- High sensitivity: detection limit<50pg/mL
- Strong specificity, good repeatability: within batch CV<10%, high recovery rate.
- Wide linear range: detection range 0.05–3.2ng/mL
- Suitable for recombinant porcine trypsin from animal and non animal origin

Application

Trypsin residue detection in biopharmaceutical process development, industrial production processes, or product stock solutions

Test Data

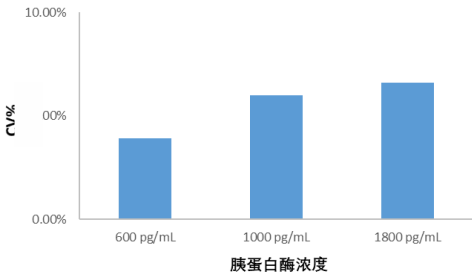
Test Data



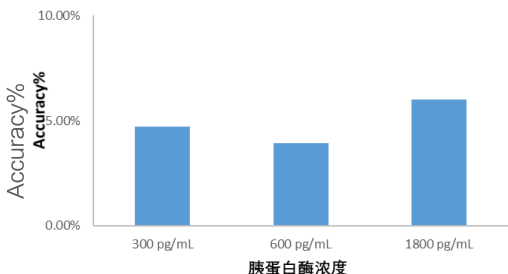
标准品浓度（pg/mL）	OD值
3200	2.756
1600	2.095
800	1.325
400	0.772
200	0.407
100	0.223
50	0.117

The test results indicate that the detection range is 0.05–3.2ng/mL, the detection limit is <50pg/mL, and the quantitative limit is 30pg/ml

Repeatability and precision testing



At the three concentration points of high, medium, and low,the CV% value performs well, with good precision and repeatability below 10%



At high, medium, and low concentrations, high recovery rates were achieved, with a recovery rate range of 80% –120%

Order Options

Cat No.	Name	Size
CY009RKIT	Trypelectase Recombinant trypsin residue ELISA asaay kit	1KIT 96Tests