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Assay method of enterokinase activity

肠激酶活性检测方法

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Foreword

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Assay method of enterokinase activity

1 Scope

This document describes the reagents or materials, apparatus, test procedure, result calculation, and quality control for the assay method of enterokinase activity.

This document applies to the assay of enterokinase activity.

2 Normative references

The contents of the following documents, through normative references in this text, constitute indispensable provisions of this document. Among them, for dated references, only the edition corresponding to that date applies to this document. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 6682 Water for analytical laboratory use - Specification and test methods

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Enterokinase

A proteolytic enzyme secreted by duodenal cells, which can cleave the lysine carboxy-terminal peptide bond containing 4 aspartic acids (aspartic acid-aspartic acid-aspartic acid-aspartic acid-lysine).

3.2

Activity unit of enterokinase (U)

The amount of enzyme - required to degrade 95% of 0.5 mg of Thioredoxin-NP-27 to NP-27 within 16 h at 37 °C - is 1 activity unit of enterokinase (U).

4 Reagents or materials

Unless otherwise specified, the reagents used in this method shall be of analytical grade. All reagent solutions should be prepared in large volumes; subpackaged in small volumes and sterilized by autoclaving before use. Reagents that are not suitable for

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