1 豬

1.1 用途

用途：測定人血清中谷氨酸細胞酶（ALT）活性。

1.2 操作方法

1.2.1 供試品的制備

1.2.2 操作

2 附錄

2.1 貨源

貨源：日立IMR-1100型無氨呼吸儀，日本日立公司製造。

2.2 資料

資料來源：Beckman UL55型超速離心機，日本Hitachi公司製造。

3 質量控制

3.1 儀器

儀器：日立IMR-1100型無氨呼吸儀。

3.2 方法

方法：測定人血清中谷氨酸細胞酶（ALT）活性。

4 質量評價

質量評價：測定結果符合藥典規定。

5 導語

導語：測定人血清中谷氨酸細胞酶（ALT）活性是臨床診斷的重要方法之一。
Preparation of Restricted-Access Media by an Improved Method

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Abstract A kind of restricted-access media, which can be used for direct injection and analysis of complex biological samples containing bio-macromolecules. A new economical procedure has been developed to prepare ADS packing. At first γ-glycidoxypropyl group was coupled onto the surface of microporous silica gel. Develosil 60-5P® form epoxy-silica. Prepared epoxy-silica can react with stearic acid in organic solvent to prepare C18 ester-bonded reversed-phase packing. The packing was packed into a column and then the solution of pancreatic lipase was pumped into the column to create enzymolysis reaction. The stearyl groups on the surface of packing can be removed by the enzymolysis to form a hydrophilic surface. At the same time, inner surface of micropore remains hydrophobic nature due to size exclusion effect of micropore to enzyme molecules. Chromatographic evaluations were carried out and the typical ADS behavior was confirmed.

Key words High performance liquid chromatography Restricted-access media Alkyl-diol silica Solid phase