

## 中国汉族人群间- $\alpha$ -胰蛋白酶抑制因子(ITI)的遗传多态性

侯一平, 勾清, 吴梅筠

华西医科大学法医系, 成都 610044

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**摘要** 我们建立了测定间- $\alpha$ -胰蛋白酶抑制因子遗传表型的聚丙烯酰胺凝胶等电聚焦免疫固定技术, 应用这种方法对居住在成都地区的汉族群体进行了群体研究和家系调查, 结果表明中国汉族人群间- $\alpha$ -胰蛋白酶抑制因子具有遗传多态性, 它有望成为法医血液遗传学新的遗传标记。

**关键词** [间- \$\alpha\$ -胰蛋白酶抑制因子, 遗传多态性, 等电聚焦](#)

分类号

## Genetic Polymorphism of Inter-Alpha-Trypsin-Inhibitor (ITI) in a Han Population in China

Hou Yiping, Gou Qing, Wu Meiyun

School of Forensic Medicine, West China University of Medical Sciences, Chengdu 610044

### Abstract

School of Forensic Medicine, West China University of Medical Sciences, Chengdu 610044 Phenotypes of inter-alpha-trypsin-inhibitor(ITI) have been determined by isoelectric focusing on the polyacrylamide gel followed by immunofixation. The phenotype frequencies of ITI in the Han population in Chengdu, China were investigated using this method. In addition, family studies have been conducted in 21 families. The results showed that the ITI was polymorphic in the Han population in Chengdu. The allele frequencies were as follows; ITI\*1=0.5763, ITI\*2=0.4107, ITI\*3=0.0130. It was obvious that the ITI is a new and promising genetic marker which can be used in the field of forensic haematogenetics.

**Key words** [Inter-alpha-trypsin-inhibitor](#) [Genetic polymorphism](#) [Isoelectric focusing](#)

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