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## The Study on PCR Screening Methods for Detecting GMO in Food

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**ABSTRACT** This study was focused on the theoretical detection limit of three normally applied PCR screening methods in GMO detection. The results show that 15 copies are the theoretical detection limits of 35S screening methods 50 and 150copies are necessary for NPT II gene and NOS terminator detection. These 3 target DNA fragments were detected in the non-GMO samples.

**Key words** screening methods , GMO , detection limit , specificity

政策、法规、标准  
美国反式脂肪酸含量要求标注

据悉 美国食品药品监督管理局正在修订营养标签方面的规定 ,要求在传统食品和膳食补充品的营养标签中 ,标注反式脂肪酸的含量。该规定将于 2006 年 1 月 1 日生效。

反式脂肪酸存在于常见的食物中 ,例如植物性奶油、马铃薯片、沙拉酱、饼干以及薯条等 ,这种物质也可以通过氢化过程合成。反式脂肪酸和饱和脂肪酸一样 ,都会提高人体胆固醇含量 ,特别是低密度脂蛋白胆固醇含量 ,会引起血管阻塞 ,从而明显提高心脏疾病以及肥胖的危险。以往一般食品包装上都被要求注明饱和脂肪酸含量 ,但一直没有注明反式脂肪酸含量的要求。

美国这一举措是应公共利益科学中心( CSPI )的请求而采取的 ,其目的在于提供信息以帮助消费者保持健康饮食。