

论文

中药材龟板和鳖甲中DNA的提取与扩增

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摘要:

关键词: 龟板; 鳖甲; DNA提取; PCR扩增

ISOLATION AND AMPLIFICATION OF DNA FROM TORTOISE AND TURTLE SHELLS

YM Wang;KY Zhou; P Wu and LS Xu

Abstract:

DNA was extracted from tortoise and turtle shells, two Chinese crude drugs which have been preserved for at least nine years. The cytochrome b sequence was amplified from the extracts using the polymerase chain reaction. Treatments with detergent and ultraviolet light were employed to destroy possible extraneous contamination. A control extract was set in parallel with the extracts of the specimens in order to detect contamination in solutions and reagents. The results show that significant amounts of genetic information can survive in the shells and may have important implications for their identification.

Keywords: Turtle shell DNA isolation PCR amplification Tortoise shell

收稿日期 1995-06-15 修回日期 网络版发布日期

DOI:

基金项目:

通讯作者:

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