



Low-cost DNA extraction method

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> **Description** This invention consists of a DNA extraction method using pancreatin as enzyme, whose cost is lower than that of the other enzymes currently used in this technique.

> **Problem** Traditional methods of DNA extraction from tissues such as skin, mucous membranes, internal organs of animals, and plant or fungal tissues use proteinase K as digestive enzyme. This enzyme is very expensive and requires specific care in storage. These factors limit the number of repetitions of the extraction process, given its high associated cost.

> **Benefits** The proposed technology involves a method for extracting DNA from organic tissues using pancreatin, which is abundantly available and inexpensive, thus enabling tests to be replicated repeatedly. In addition to these advantages, pancreatin can be stored for a longer period of time and in a simple way, contributing to minimize costs. The newly developed methodology may easily become part of DNA extraction kits, making it a commercially viable product.