



Simple, quick DNA isolation method from tissue samples

MAGNETIC NANOPARTICLE BASED

TISSUE DNA ISOLATION PROTOCOL

1

Lysis

2

Binding

3

Washing

4

Elution

XpressDNA Tissue Kit

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Product Description

XpressDNA Tissue kit built on patented magnetic nanoparticle technology enables rapid and robust DNA isolation from tissues. The high affinity binding of DNA to the magnetic nanoparticles with large surface area ensures maximum yield and purity of isolated DNA. This kit can be used for genomic DNA extraction from tissues of both animal and mammals and cell lines. Xpress DNA Tissue/Cell line kit guarantees isolation of high-quality genomic DNA in better yields compared to other commercially available kits from a starting tissue volume of 10-15mg.

Highlights

- Fast and efficient processing
- Standardized and easy to follow protocol
- No organic chemical extraction is required
- Inhibitor-free DNA which can be readily used for further downstream applications

Consistent DNA yields from different tissue samples

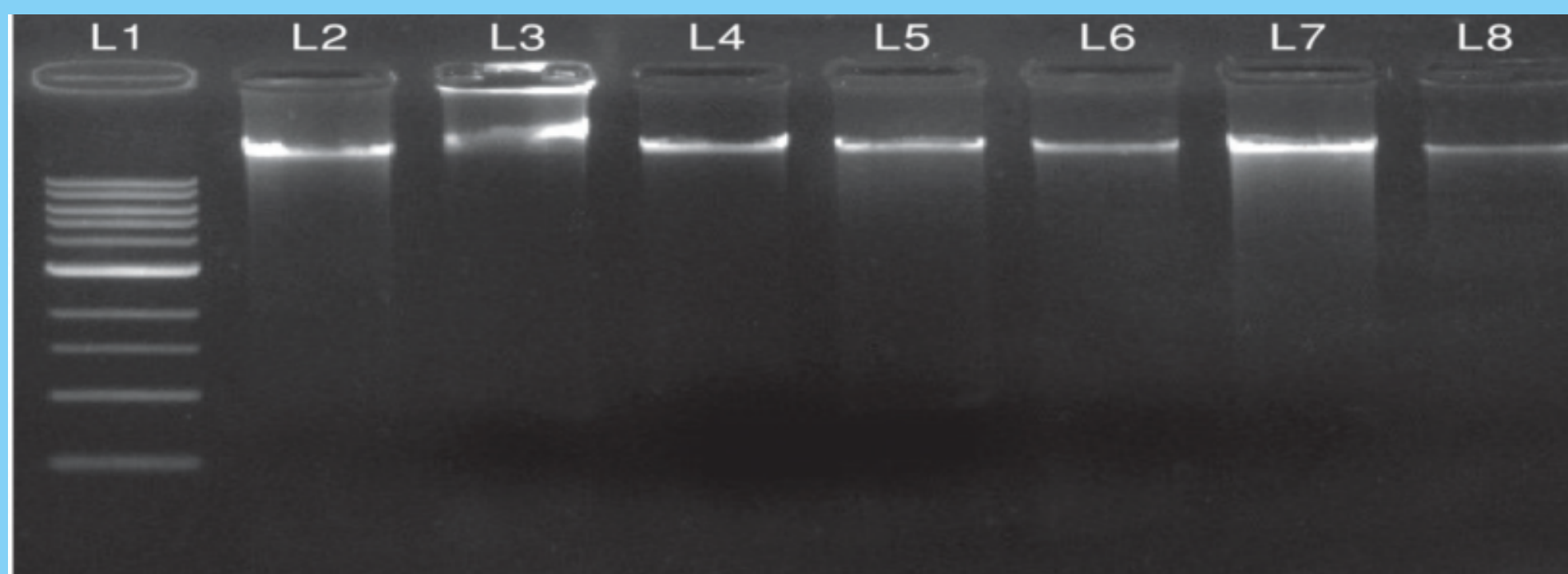


Figure 1: Genomic DNA was extracted from different animal tissues such as heart, brain, kidney, liver, spleen, muscle, rat tail and fish fin (Lane L2 - L8) using XpressDNA Tissue kit and evaluated on 0.8% agarose gel. Lane L1: 1kb DNA ladder

High purity DNA for downstream applications

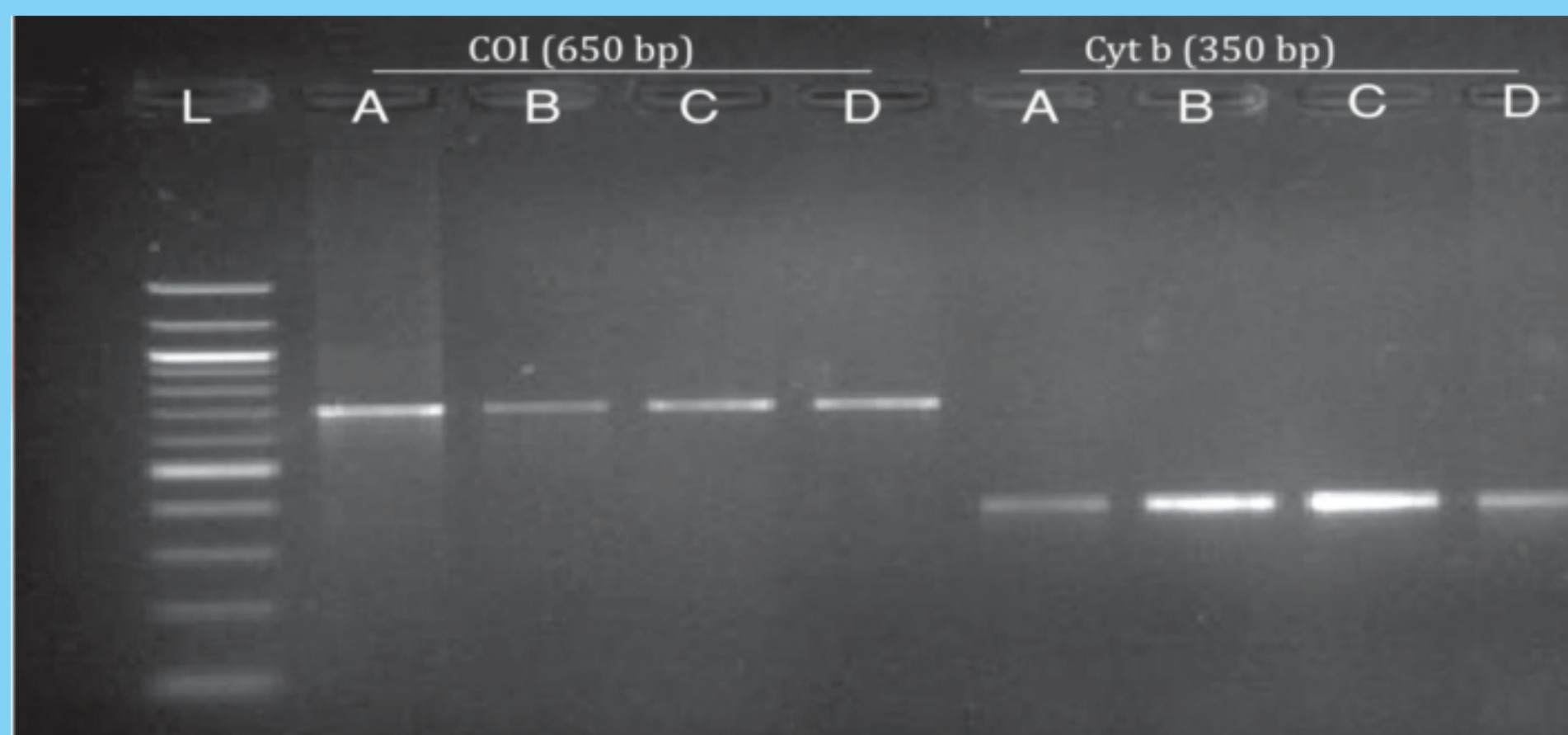


Figure 2: DNA extracted using XpressDNA Tissue kit was used in PCR amplification reactions. DNA from four different fresh tissues were amplified using two different primer sets COI and Cyt b, respectively