

# E.Z.N.A.® Tissue DNA Kit

Simple and rapid method for the isolation of DNA from a wide variety of sample sources

CAT NO: D3396



## Rapid

DNA isolation in less than 20 minutes (post-lysis)



## Quality

Sequence-quality DNA preparations



## Reliable

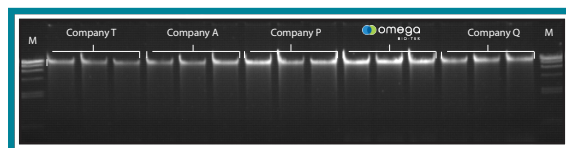
Optimized buffers guarantee pure DNA every time



## Safe

No phenol-chloroform extractions

**E.Z.N.A.® Tissue DNA Kit** offers a simple and rapid method for the isolation of DNA from a versatile array of sample sources, including fresh or frozen animal cells and tissues. After cell lysis, the DNA purification process can be completed in less than 30 minutes. Up to 30 mg of tissue at a time can be easily processed using the simple E.Z.N.A.® Tissue DNA protocol. With the spin column-based kit, multiple samples can be processed in parallel. There is no need for phenol/chloroform extractions or time consuming steps such as precipitation with isopropanol or ethanol. DNA purified using the E.Z.N.A.® Tissue DNA Kit is ready for most downstream applications such as PCR, Southern blotting, and restriction enzyme digestion.

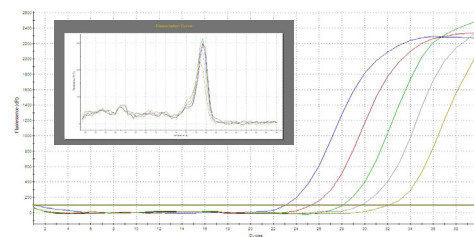


## Yield Comparison of E.Z.N.A.® Tissue DNA Kit

**Figure 1.** Purified genomic DNA from 10 mg rat kidney tissue was isolated using kits from Company T, Company A, Company P, Company Q, and Omega Bio-tek's E.Z.N.A.® Tissue DNA Kit following manufacturer's recommended protocols. 3% of eluted DNA was analyzed on a 0.8% agarose gel. M: Lambda-Hind III.

## Real-time PCR of Genomic DNA Isolation with E.Z.N.A.® Tissue DNA Kit

**Figure 2.** Genomic DNA was isolated from 10 mg of rat kidney with Omega Bio-tek's E.Z.N.A.® Tissue DNA Kit. Serial dilutions of recovered genomic DNA were used as templates for real-time PCR amplification of a 100 bp fragment of the GAPDH gene with SYBR® Green labeling. Each reaction was performed in triplicate. The fluorescence versus cycle number is plotted to the right and the 5 curves correspond to the input DNA template amounts of 10, 2, 0.4, 0.08, and 0.0016 ng.



Product Description	Preps	Cat No.
E.Z.N.A.® Tissue DNA Kit	5	D3396-00
	50	D3396-01
	200	D3396-02
	600	D3396-03

For free samples of any of our kits, visit [www.omegabiotek.com](http://www.omegabiotek.com)