

E.Z.N.A.[®] FFPE DNA Kit

Isolation of DNA from formalin-fixed, paraffin-embedded tissue samples

CAT NO: D3399



Specialized Buffer System

High yielding DNA reversing formalin crosslinking of nucleic acids

2

Paraffin Removal Methods

Use xylene-ethanol method or heat treatment



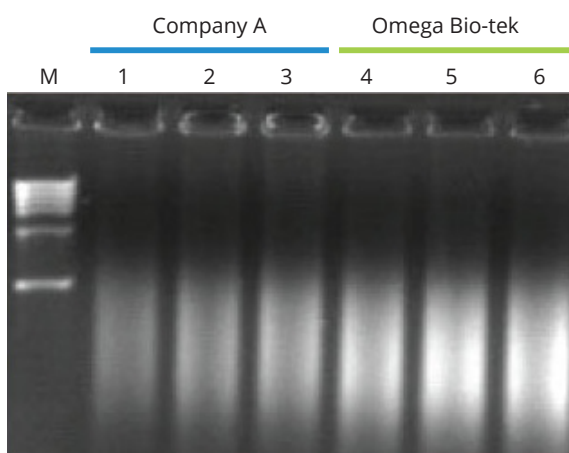
Quality

High-quality DNA suitable for qPCR, NGS, etc.

Cost-Effective

30% less than the competition on average

E.Z.N.A.[®] FFPE DNA Kit is designed for fast and easy purification of DNA from formalin-fixed, paraffin-embedded tissue sections. Paraffin removal can be performed either by using a xylene-ethanol method or by heat treatment. Samples are incubated in a specialized lysis buffer along with proteinase K to reverse crosslinking, effectively releasing short and long DNA fragments. After adjusting the binding conditions with ethanol, the lysate is applied to the MicroElute DNA Column to bind DNA. Cellular debris and proteins are effectively removed during the wash steps. High quality purified DNA is then eluted in nuclease-free water or elution buffer and is ready for applications such as PCR and next-generation sequencing.



DNA Yield & Quality with Agarose Gel Analysis

Figure 1. DNA was extracted from ~2 mg of FFPE tissue weighed post-deparaffinization. The samples were digested overnight at 55°C and eluted in 60 µL volume. The purified DNA was analyzed on 0.5% agarose gel. Lanes 1-3 represent Company A, lanes 4-6 represent Omega Bio-tek and M is the 1 kb marker. The DNA yield and quality was quantified using a Thermo Scientific NanoDrop[®] 2200.

Company	Sample	A _{260/280}	A _{260/230}	Yield (µg)
Omega Bio-tek	4	1.79	2.25	13.25
	5	1.79	2.18	13.32
	6	1.80	2.30	12.48
Company A	1	1.80	2.31	9.53
	2	1.81	2.24	9.28
	3	1.82	2.27	6.71

Product Description	Preps	Cat No.
E.Z.N.A. [®] FFPE DNA Kit	5	D3399-00
	50	D3399-01

For free samples of any of our kits, visit www.omegabiotek.com