

Paraffin sample (FFPE) DNA Extraction Kit

WaxFree™ DNA

High Yield - Fast Results

WaxFree™ DNA is a kit designed for DNA extraction from formalin-fixed paraffin-embedded (FFPE) tissues*. The kit uses a non-binding, non-elution method to efficiently extract DNA from tissue and eliminate DNA loss commonly seen in the traditional column or bead extraction methods. This simple extraction method takes less than two hours and achieves maximal yield of DNA with optimized conditions for PCR amplification.

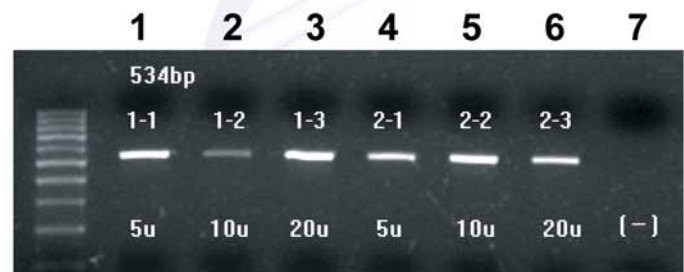
*Can also apply to fresh and frozen tissue samples.



No Toxic Xylene
No Column
No Ethanol Precipitation

Extraction Results from 10-year-old paraffin samples

10-year-old paraffin sections were used for DNA extraction. The extracted DNA was directly used for PCR amplification.



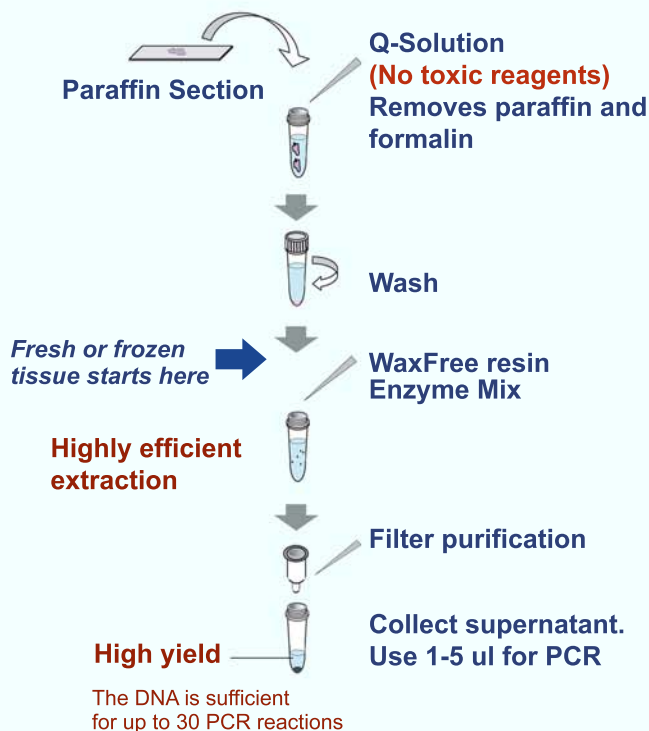
Amplification of a 534 bp fragment of GP-100 gene

Lane 1: sample 1, 5 um paraffin section
Lane 2: sample 1, 10 um paraffin section
Lane 3: sample 1, 20 um paraffin section
Lane 4: sample 2, 5 um paraffin section
Lane 5: sample 2, 10 um paraffin section
Lane 6: sample 2, 20 um paraffin section
Lane 7: blank control

(Data is provided by Dr. W. Chen at Howard University)

*Data is obtained from lung tissue. The yield for other types of tissue may vary.

Simple Procedure



1-888-825-6005
www.trimgen.com


TrimGen
GENETIC DIAGNOSTICS

Advanced Features

High yield

WaxFree™ DNA is a homogenous DNA extraction method. The optimized extraction buffer maximizes enzymatic reaction to release DNA from FFPE tissues. A typical yield from a 0.65 x 0.65 cm section (5 μ m thickness) is about 1-2 μ g per 70 μ l (10-30 ng/ μ l). It is sufficient for up to 30 PCR reactions.

**data from Lung tissue*

The DNA extract is easy to amplify by PCR

The Q-solution and WaxFree™ resin removes enzyme inhibitors from FFPE tissues, such as formalin residue. Also, the extraction buffer optimizes the final DNA for PCR conditions.

Simple procedure and fast results

The entire procedure can be completed in less than 2 hours. This simple procedure allows both sample DNA extraction and testing in the same day.

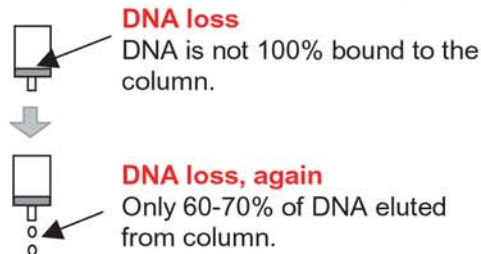
Non-Toxic reagents

All of the reagents are non toxic. No more toxic xylene de-paraffinization.

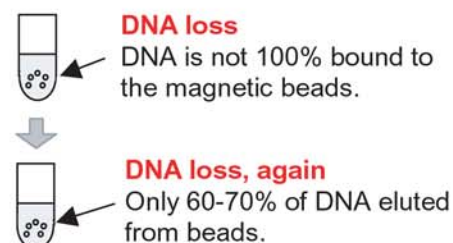
High Yield

DNA loss is commonly seen in column or bead-based methods during the extraction of DNA from FFPE tissues. The loss is caused by inefficient DNA binding and incomplete elution of DNA from the column or beads. By contrast, WaxFree™ uses a non-binding, non-elution DNA extraction method which completely eliminates DNA loss and achieves a higher DNA yield than column and bead methods.

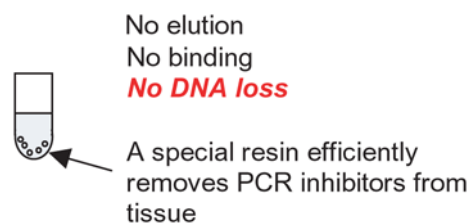
Column Extraction Method



Magnetic Beads Method



WaxFree DNA Extraction



Product Information

Catalog No.	Kit Size
WF-50	50 extractions
WF-100	100 extractions

For Research Use Only.
Not for use in diagnostic procedures.

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