



EchoLUTION

Tissue DNA Kit

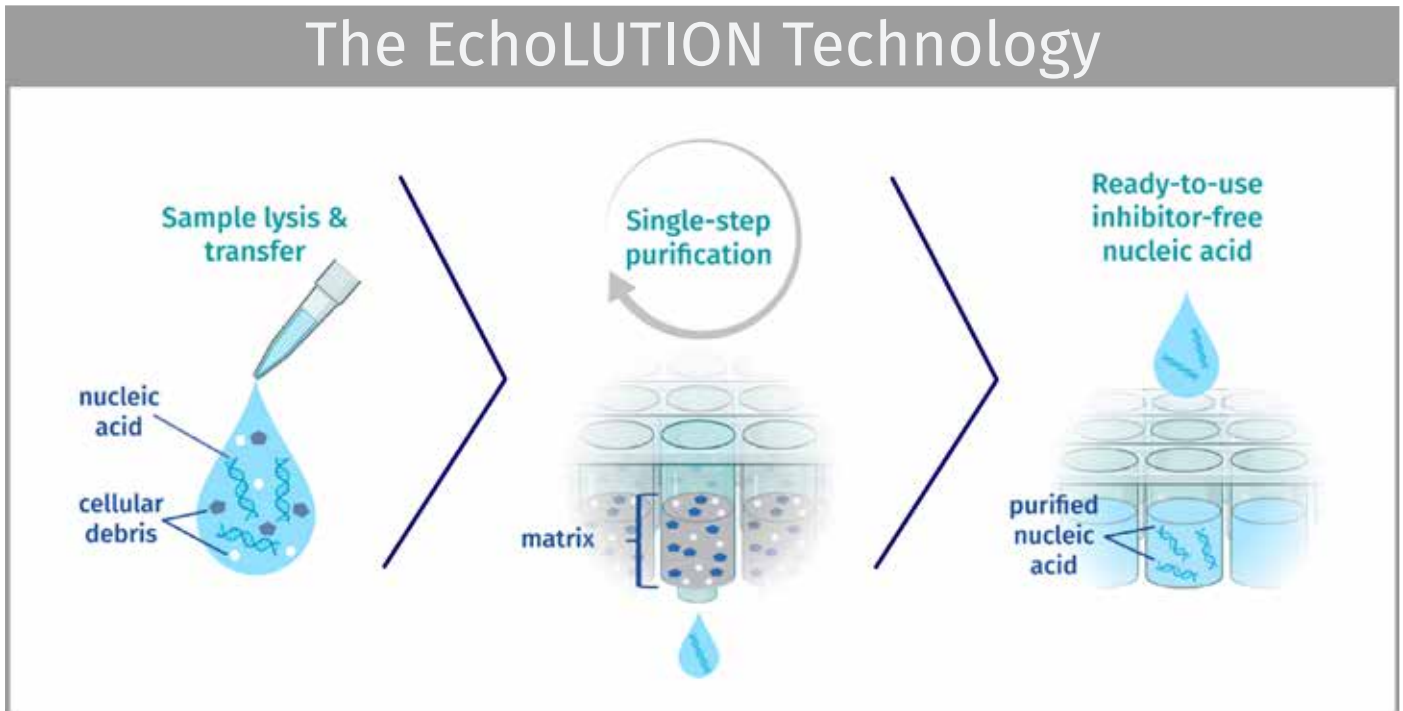


Fast lysis and DNA extraction from various tissue types

The Nucleic Acid Experts.

Fast lysis and DNA extraction from various tissue types

The EchoLUTION Tissue DNA Kit is based on our EchoLUTION technology, a revolutionary method for fast and convenient nucleic acid extraction. The kit facilitates easy extraction of high-purity genomic and mitochondrial DNA from all kinds of tissue and from 0.1 mg to 10 mg starting material. All steps take place under physiological conditions in aqueous buffers.



The EchoLUTION Tissue DNA Kit provides:

Convenience and speed

Workflow completed in just 50 minutes due to reduced steps and short lysis time.

High compatibility

Suitable for extraction of genomic and mitochondrial DNA from fresh, frozen, and stabilized tissue as well as challenging samples such as adipose tissue or muscle.

High sensitivity

Highly pure DNA free of contaminants and inhibitors.

Reliable results

Lysis under physiological conditions results in long and intact DNA perfectly suited for downstream applications such as PCR and NGS.

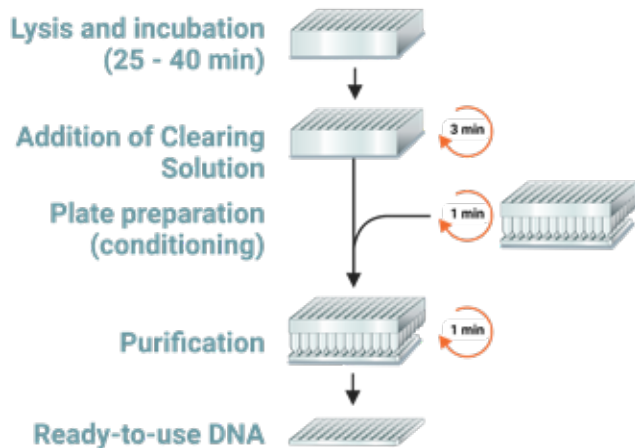
Sustainability

Up to 70% less plastic consumption compared to other extraction methods and no usage of hazardous reagents.

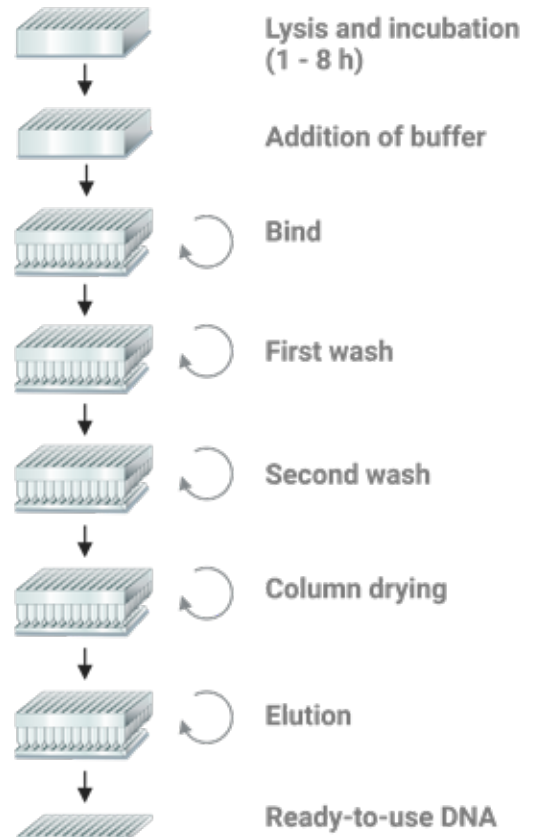
The workflow: faster and fewer steps

The very short lysis step and reduced number of total steps allow DNA extraction from tissue samples within 50 minutes.

EchoLUTION technology

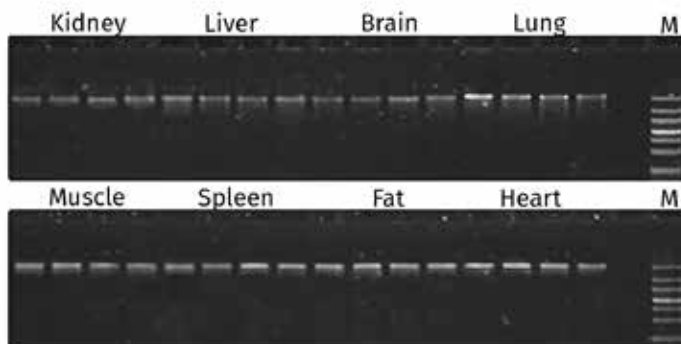


Bind-wash-elute method



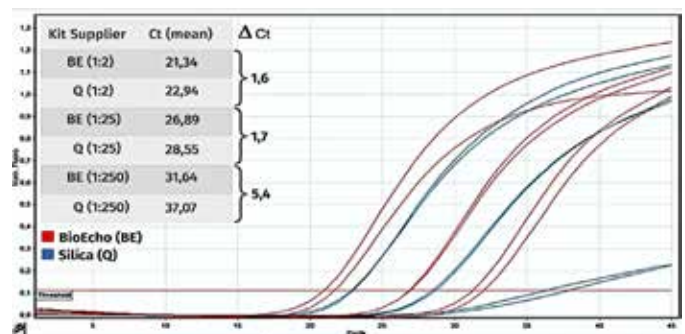
- Only 4 steps needed
- Lysis step 2 - 10 x faster
- Whole workflow 3 - 10 x faster

Extraction from various tissue types possible



For DNA integrity assessment by agarose gel electrophoresis, tissue samples from mouse were normalized to approximately 100 ng per lane.

Higher sensitivity compared to silica method



Genomic DNA from 5 mg of mouse tail tissue was purified using the EchoLUTION Tissue DNA Micro Kit (red) and a silica kit (blue). Aliquots of the obtained elution fractions were applied to qPCR detection of a mouse amplicon.


Ordering information

EchoLUTION Tissue DNA Kits	Reactions	Product no.
EchoLUTION Tissue DNA Kit (10)	10	010-002-010
EchoLUTION Tissue DNA Kit (50)	50	010-002-050
EchoLUTION Tissue DNA Kit (250)	250	010-002-250
EchoLUTION Tissue DNA 96 Kit (2 x 96)	2 x 96	010-102-002
EchoLUTION Tissue DNA 96 Kit (8 x 96)	8 x 96	010-102-008
EchoLUTION Tissue DNA 96 Core Kit (8 x 96)	8 x 96	010-102-108


“ We used the BioEcho EchoLUTION Tissue DNA and Cell Culture DNA kits for extraction of genomic DNA from cultured cells and from fresh and stabilized human tissue. Both kits impressed with their simplicity, speed and with stable and reproducible yields. ”

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