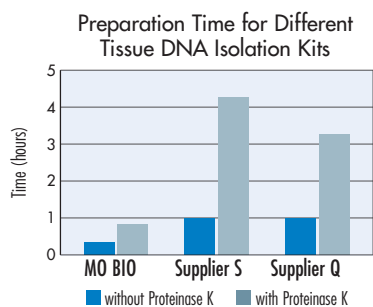


DNA Isolation from Tissues and Cells

UltraClean™ Tissue DNA Isolation Kit



For isolating genomic DNA from animal tissues, rodent tails and cultured cells without using organic solvents



Features and Benefits

- Rapidly isolate DNA from animal tissues or cultured cells in 20 minutes
- Yields high quality DNA up to 50 kb plus
- DNA is ready for PCR, restriction digests, and all downstream applications
- Novel bead beating method for hands-off homogenization
- Safe procedure avoids the use of hazardous organic solvents

REFERENCES:

1. Sery, O., Drtilkova, I., Theiner, P., Pitelova, R., Staif, R., Znojil, V., Lochman, J. and Didden, W. (2006) *Neuro Endocrinology Letters* 27 (1-2):101
2. Wong E.M., Russock H.I. (2005) *Journal of Ichthyology* 45(1): 183

DESCRIPTION

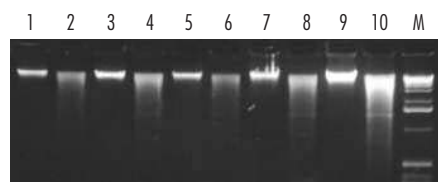
The UltraClean™ Tissue DNA Isolation Kit is ideal for isolating genomic DNA from animal tissues or cultured cells, including rodent tails. Isolated DNA is high quality and ready for PCR, restriction digests, and other downstream applications. The UltraClean™ Tissue DNA Isolation Kit is safe and user-friendly because it avoids the use of organic solvents like phenol and chloroform.

Fresh or frozen tissue samples are homogenized using bead beating technology to lyse the cells. Lysates are loaded onto a silica spin filter. DNA binds to the silica spin filter while contaminants pass through. Remaining contaminants and enzyme inhibitors are removed by a wash step. Pure DNA is then eluted into certified, DNA-free Tris buffer. This kit requires a microcentrifuge, vortex and our Vortex Adapter. For processing tough samples such as bone, hair and mouse tails we recommend our Proteinase K.

Specifications	UltraClean™ Tissue DNA Isolation Kit	UltraClean-htp™ 96 Well Tissue DNA Isolation Kit
Format	Silica Spin Filter Tubes	Silica Spin Filter Plate
Method	Bead Beating	Bead Beating
Starting Amount	1-25 mg	1-25 mg
Binding Capacity	Up to 40 µg per filter	Up to 40 µg per well
Throughput	1 - 24 samples	96 samples
Time	20 minutes	45 minutes
Equipment	Vortex	Plate shaker

UltraClean-htp™ 96 Well Tissue DNA Isolation Kit

For high throughput isolation of genomic DNA from animal tissues and cells



High Quality DNA Ready for Restriction Digestion

Genomic DNA was successfully isolated from various mouse tissues and digested with EcoR I. Odd Lanes: undigested DNA. Even Lanes: digested DNA. Lanes 1, 2: brain. Lanes 3, 4: heart. Lanes 5, 6: kidney. Lanes 7, 8: liver. Lanes 9, 10: spleen. Lane M: 1 kb marker

RELATED PRODUCTS YOU MAY NEED

- UltraClean™ Tissue RNA Isolation Kit
- DEPC Treated Water
- Vortex Adapter
- 96 Well Plate Shaker
- Proteinase K

DESCRIPTION

The UltraClean-htp™ 96 Well Tissue DNA Isolation Kit is designed for rapid, high throughput DNA isolation from fresh or frozen animal tissues, cells and rodent tails. This kit requires plate centrifuge and 96 Well Plate Shaker.

UltraClean™ Tissue DNA Isolation Kit	
Catalog No.	Quantity
12334-50	50 preps
12334-250	250 preps
UltraClean-htp™ 96 Well Tissue DNA Isolation Kit	
Catalog No.	Quantity
12996-4	4 x 96 preps
12996-12	12 x 96 preps