DNA isolation from tissue and cells

The **Invisorb® Spin Tissue Mini Kit** simplifies genomic DNA purification from a variety of tissue types (e.g. muscle, liver, heart, brain, mouse tail or insects) and cells. PCR inhibitors, which can interfere with the amplification reaction, are efficiently removed. Pure DNA is eluted in 50 – 200 µl EDTA-free buffer or water and can be used in subsequent downstream applications, such as PCR, real-time PCR, SNP detection, Southern Blotting, sequencing and cloning.

Product characteristics

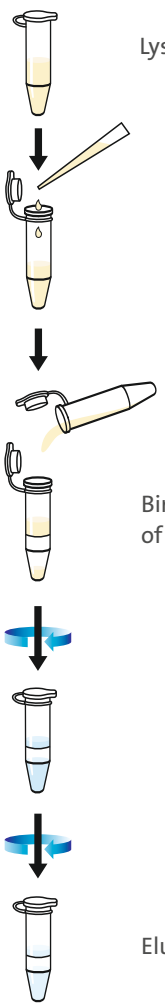
- **Starting material:** 0.5 - 40 mg tissue; 1.2 cm rodent tails; FFPE tissue; 10 –10^6 eukaryotic cells; swabs; food
- **Average yield:** up to 50 µg DNA from tissue, up to 10 µg from cells
- **Preparation time:** approx. 15 min after lysis

Benefits

- Optimized protocols for a variety of starting materials, complete removal of contaminants and inhibitors
- More intact DNA: no DNA degradation by using a gentle, low-salt (non-chaotropic) buffer system
- For In Vitro Diagnostic Use (CE-IVD)*

*) Compliance with EU Directive 98/79/EC on in vitro medical devices (Not for in vitro diagnostic use in countries where the EU Directive 98/79/EC on in vitro medical devices is not recognized.)

Workflow



Ordering information

PRODUCT	PACKAGE SIZE	CATALOGUE NUMBER
Invisorb® Spin Tissue Mini Kit	50 purifications 250 purifications	1032100200 1032100300

stratec molecular

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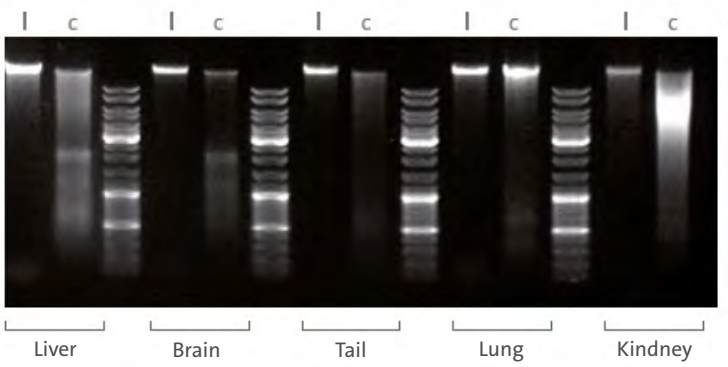
APPLICATION EXAMPLE

Better DNA quality using the Invisorb® Spin Tissue Mini Kit!



I : Invisorb, non-chaotropic buffer, minimal DNA degradation

c : chaotropic buffer (competitor Q), more degraded DNA

Starting material: rat tissue
Standdard protocols for both kits
Gel loading: 5 µl eluate

Selected references

Current European Labyrinthula zosterae are not virulent and modulate seagrass (Zostera marina) defense gene expression.
Brakel J, Werner FJ, Tams V, Reusch TB, Bockelmann AC. PLoS One. 2014 Apr 1;9(4):e92448

Tap73 is essential for germ cell adhesion and maturation in testis.
Holembowski L1, Kramer D, Riedel D, Sordella R, Nemajerova A, Dobbelstein M, Moll UM. J Cell Biol. 2014 Mar 31;204(7):1173-90

GNAQ and BRAF mutations show differential activation of the mTOR pathway in human transformed cells.
Pópulo H, Tavares S, Faustino A, Nunes JB, Lopes JM, Soares P. PeerJ. 2013 Jul 23;1:e104

Genetic identification of highly putrefied bodies using DNA from soft tissues.
Schwark T, Heinrich A, von Wurmb-Schwark N. Int J Legal Med. 2011 Nov;125(6):891-4

Related products

PRODUCT	PACKAGE SIZE	CATALOGUE NUMBER
Invisorb® DNA Tissue HTS 96 Kit/C	4 x 96 purifications 24 x 96 purifications	7032900300 7032900400
InviMag® Tissue DNA Mini Kit/ KF96	1 x 96 purifications 5 x 96 purifications	7432300100 7432300200
Invisorb® Genomic DNA Kit II	100 purifications 500 purifications	1032120300 1032120400

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