

ImmunoTools Spin Tissue Mini Kit

For DNA extractions from 0.5 - 40 mg tissue sample, rodent tail and paraffine embedded material.

The IT-Spin Tissue Mini Kit is the ideal tool for purification of DNA from small amounts of various human and animal tissues (e.g. muscle, liver, heart and brain) in less than 20 min. This system is particularly efficient for the isolation of DNA from biopsy material and paraffine embedded tissues. No toxic or hazardous chemicals like chaotropic components or phenol/chloroform are used.

Due to the high purity, the isolated genomic DNA is ready to use for a broad panel of downstream applications:

PCR*
 RFLP-Analysis
 Restriction Enzyme Digestion
 HLA Typing
 Sequencing*
 Cloning*
 Southern Blot

Name	Amount of starting material	Yield	Time for preparation
IT- Spin Tissue Mini Kit Cat.No.: 71390100	0,5 – 40 mg tissue sample up to 1.2 cm rodent tail micro and fine needle biopsy material	up to 50 µg depends on on type and amount of starting material	15 min after lysis Ratio $A_{260} : A_{280}$ 1.7 – 2.0

The PCR method is covered by U.S. Patents 4,683,195 and 4,683,202 owned by Hoffmann-LaRoche Inc. The purchase of the **IT- Spin Tissue Mini Kit** cannot be construed as an authorization or implicit licence to practice PCR under any patents held by Hoffmann-LaRoche Inc.

ImmunoToolsSpin PCRapid Kit

The IT-Spin PCRapid Kit provides a convenient tool for fast and efficient direct purification of PCR* products from 80 bp up to 30 kb from amplification reactions. The DNA-fragments will be bound directly onto the surface of a spin filter column.

After washing the surface to remove primers, nucleotides and other buffer components the DNA-fragments will be eluted in a low salt buffer. The new patented technology for binding of DNA fragments onto the spin filter surface do not need any hazardous chaotropic buffer components.

The isolation protocol as well as all buffers are optimized to provide high yield and purity of the recovered DNA fragment. The “hands-on time“ necessary for the whole procedure is reduced to a minimum. The purification process will be ready in less than 10 minutes.

The purified DNA fragments are ready to use in various downstream application such as:

Digestion with restriction enzymes
 Hybridization
 Labeling
 Cloning
 Sequencing
 In vitro Transcription

Name	Amount of starting material	Rate of recovery	Time for preparation
IT- Spin PCRapid Kit Cat.No.: 71391100	up to 100 µl of amplification reaction volumn	60 % - 85 % depends on fragment length	less than 10 minutes

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