

ExtractNow™
DNA Mini Kit, Blood
DNA Mini Kit, RNA
MiniKit, CleanUp Kit
Plasmid Mini Kit,
Virus DNA/RNA Kit
and Virus RNA Swab

Nucleic Acid Extraction

- ✓ Wide range of starting materials
- ✓ Spin filter column-based purification method with high binding capacity and cutting-edge chemistry
- ✓ High yield and high extract purity
- ✓ Temperature stable components
- ✓ Minimal hands-on time required



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ExtractNow™ DNA Mini Kit

Description & Features

Description

Universally applicable DNA extraction method for a broad range of starting materials. Using a cutting-edge chemistry, the duration of the DNA purification is reduced to a minimum.

Type of Sample

- Tissue samples: up to 50 mg
- Rodent tail specimens: 0.5 - 1 cm in length
- Paraffin-embedded tissue samples
- Eukaryotic cells: max. 5×10^6
- Buccal swabs

Separation principle

Spin column-based method

Recommended Use

The ExtractNow™ DNA Mini kit is for research use only. Not recommended for clinical applications.

Storage and Shelf Life

Components are maintainable at room temperature for at least 9 months. Store the lyophilized Proteinase K at +2 to +8 °C.

Specifications

- Extraction duration: approx. 8 minutes after lysis
- Column binding capacity: 100 µg gDNA
- Average yield: $\leq 65 \mu\text{g gDNA}$ (depending on the type and quantity of the sample material)
- Average purity: 1.7 - 2.0

Order Information

Catalog Number

Cat. No. 601-1010 10 extractions
Cat. No. 601-1050 50 extractions

ExtractNow™ Blood DNA Mini Kit

Description & Features

Description

Direct and rapid isolation of genomic DNA from whole blood up to 400 µl. High yields of up to 30 µg and extremely high-quality gDNA, depending on the sample and the amount used. Two protocols are available for processing $\leq 200 \mu\text{l}$ or $\leq 400 \mu\text{l}$ blood samples. Tested with EDTA- and citrate-stabilized, for fresh and frozen blood samples (including long-term storage).

Type of Sample

- Whole blood samples (up to 400 µl)
- Fresh or frozen blood samples
- Blood samples with stabilizers (EDTA or citrate)

Separation principle

Spin column-based method

Recommended Use

The ExtractNow™ Blood DNA Mini kit is for research use only. Not recommended for clinical applications.

Storage and Shelf Life

Components are maintainable at room temperature for at least 9 months. Store the lyophilized Proteinase K at +2 to +8 °C.

Specifications

- Extraction duration: approx. 25 minutes, including lysis
- Column binding capacity: $> 50 \mu\text{g gDNA}$
- Average yield: $\leq 30 \mu\text{g gDNA}$ (depending on the type and quantity of the sample material)
- Average purity: 1.7 - 2.0

Order Information

Catalog Number

Cat. No. 602-1010 10 extractions
Cat. No. 602-1050 50 extractions

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ExtractNow™ RNA Mini Kit

Description & Features

Description

Purification of total RNA from eukaryotic and bacterial cells. Removal of genomic DNA by pre-filtration instead of DNase digestion.

Type of Sample

- Eukaryotic cells: max. 5×10^6
- Biopsies or tissue samples: max. 20 mg
- Gram (+) and gram (-) bacteria: max. 10^9

Recommended Use

The ExtractNow™ RNA Mini Kit is for research use only. Not recommended for clinical applications.

Separation principle

Spin column-based method

Storage and Shelf Life

Components are maintainable at room temperature for at least 9 months.

Specifications

- Extraction duration: approx. 15 – 40 minutes
- Column binding capacity: approx. 100 µg RNA
- Average yield: ≤ 100 µg RNA (depending on the type and quantity of the starting material)
- Average purity: 1.8 – 2.1

Order Information

Catalog Number

Cat. No. 603-1010 10 extractions
Cat. No. 603-1050 50 extractions

ExtractNow™ CleanUp Kit

Description & Features

Description

Combination kit for fast extraction of DNA fragments from agarose gels or amplification products from PCR reaction mixtures. Flexible elution volumes between 30 and 50 µl and 10 to 20 µl. High recovery rates of up to 95 %. Capable of processing fragment lengths of up to 30 kb.

Type of Sample

- PCR reaction mixes (≤ 50 µl)
- TAE agarose gels (≤ 300 mg)
- TBE agarose gels (≤ 300 mg)

Separation principle

Spin column-based method

Recommended Use

The ExtractNow™ Cleanup Kit is for research use only. Not recommended for clinical applications.

Storage and Shelf Life

Components are maintainable at room temperature for at least 9 months.

Specifications

Extraction duration:

- PCR purification: approx. 3 minutes
- Gel extraction: approx. 20 minutes

Column binding capacity:

- > 20 µg DNA

Fragment lengths:

- PCR purification: > 60 bp – 30 kb
- Gel extraction: 100 bp – 30 kb

Average rate of recovery depending on fragment length:

- PCR purification: approx. 60 % to 95 %
- Gel extraction: approx. 60 % to 90 %

Order Information

Catalog Number

Cat. No. 604-1010 10 extractions
Cat. No. 604-1050 50 extractions

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ExtractNow™ Plasmid Mini Kit

Description & Features

Description

Easy and quick plasmid isolation from bacterial lysates.

Recommended Use

The ExtractNow™ Plasmid Mini Kit is for research use only. Not recommended for clinical applications.

Type of Sample

- Bacterial suspensions/liquid culture
- Isolation of high-copy plasmids: 0.5 – 5 ml starting material
- Isolation of low-copy plasmid DNA, P1 constructions, etc.: 5 – 10 ml starting material

Storage and Shelf Life

Components are maintainable at room temperature for at least 6 months.

Separation principle

Spin column-based method

Specifications

- Extraction duration: approx. 20 minutes
- Column binding capacity: approx. 40 µg pDNA
- Average yield: 6 – 20 µg (typical yield from 2 ml starting material, high-copy plasmid)
- Average purity: 1.8 - 2.0

Order Information

Catalog Number

Cat. No. 605-1010 10 extractions
Cat. No. 605-1050 50 extractions

ExtractNow™ Virus DNA/RNA Kit and Virus RNA Swab

Description & Features

Description

For simultaneous isolation of viral DNA and RNA (ExtractNow™ Virus DNA/RNA Kit) or selective extraction of viral RNA (ExtractNow™ Virus RNA Kit) from a variety of starting materials. For extraction of viral RNA from swabs (e.g. respiratory specimen), we recommend our dedicated ExtractNow™ Virus RNA Swab Kit. Optimal removal of inhibitors ensures unproblematic use of nucleic acids in several downstream applications.

Separation principle

Spin column-based method

Recommended Use

These kits are for research use only. Not recommended for clinical applications. ExtractNow™ Virus DNA/RNA is recommended for samples with unknown viruses.

Type of Sample

- Serum, plasma, cell-free bodily fluids, supernatants from cell cultures
- Tissues and biopsies: ≤ 20 mg
- Swabs

Storage and Shelf Life

Store the lyophilized Proteinase K at +2 to +8 °C, the Carrier Reagent at ≤ -18 °C and all the other components at room temperature. Components are maintainable for at least 6 months.

Specifications

- Extraction duration: approx. 20 -30 minutes

Order Information

Catalog Number

Cat. No. 606-1010 ExtractNow™ Virus DNA/RNA Kit 10 extractions
Cat. No. 606-1050 ExtractNow™ Virus DNA/RNA Kit 50 extractions
Cat. No. 611-2250 ExtractNow™ Virus RNA Swab 250 extractions

Distributed by:

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