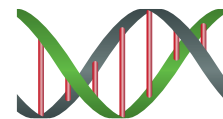


Extraction Kits



- Kits for nucleic acid extraction from a broad 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



ExtractNow™ DNA Mini Kit

Features

Type of Sample

- Tissue samples of up to 50 mg
- Rodent tail specimens 0.5 – 1 cm in length
- Paraffin samples (tissue)
- Eucaryotic cells (max. 5×10^6)
- Buccal swabs

Separation principle

Spin filter columns

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.

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
- Binding capacity: > 100 µg gDNA
- Average yield: Up to 65 µg (depending on the type and quantity of the sample material)
- Average purity: 1.7 – 2.0

ExtractNow™ Blood DNA Mini Kit



Features

Type of Sample

- Whole blood samples (up to 400 µl)
- Fresh or frozen blood
- Stabilizers: EDTA or citrate

Separation principle

Spin filter columns

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. There are two protocols available: < 200 µl and up to 400 µl blood samples

Tested for EDTA- and citrate-stabilized, for fresh and frozen blood samples (including long-term storage).

Recommended Use

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

Storage and Shelf Life

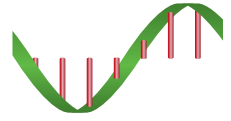
Components are maintainable at room temperature for at least 9 months. Store the lyophilized Proteinase K at +2 to +8 °C

Specifications

- Extraction duration: approx. 24 minutes, including lysis
- Binding capacity: > 50 µg gDNA
- Average yield: Up to 30 µg gDNA (depending on the type and quantity of the sample material)
- Average purity: 1.7 – 2.0



ExtractNow™ RNA Mini Kit



Features

Type of Sample

- Eukaryotic cells: max. 5×10^6
- Tissue samples: max. 20 mg
- Gram+ and gram- bacteria: max. 1×10^9
- Biopsies

Separation principle

Spin filter columns

Description

Purification of total RNA from eukaryotic and microbial materials. Prefiltration to selectively remove genomic DNA with no DNase digestion.

Recommended Use

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

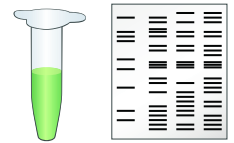
Storage and Shelf Life

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. 15 – 40 minutes
- Binding capacity: approx. 100 µg RNA
- Average yield: Up to 100 µg RNA (depending on the type and quantity of the starting material)
- Average purity: 1.8 – 2.1

ExtractNow™ CleanUp Kit



Features

Type of Sample

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

Separation principle

Spin filter columns

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.

Recommended Use

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

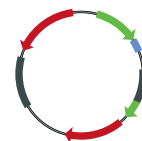
Storage and Shelf Life

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

Specifications

- Extraction duration:
 - PCR purification: approx. 3 minutes (2-step process)
 - Gel extraction: approx. 20 minutes
- 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 %





ExtractNow™ Plasmid Mini Kit

Features

Type of Sample

- Bacterial suspensions
- 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

Separation principle

Spin filter columns

Description

Easy and quick plasmid isolation from bacterial lysis.

Recommended Use

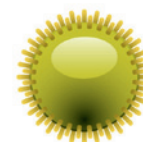
The ExtractNow™ Plasmid Mini Kit is for research use only. Not recommended for clinical applications.

Storage and Shelf Life

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

Specifications

- Extraction duration: approx. 16 minutes
- Binding capacity: Column binding capacity: approx. 40 µg pDNA
- Average yield: Typical yield from 2 ml starting material (high-copy plasmid): 6 - 20 µg
- Average purity: 1.8 - 2.0



ExtractNow™ Virus DNA/RNA Kit

Features

Type of Sample

- Serum, plasma, cell-free bodily fluids, supernatants from cell cultures (400 µl each)
- Tissues and biopsies: up to 20 mg
- Swab samples

Separation principle

Spin filter columns

Description

Simultaneous isolation of viral DNA and RNA from a variety of starting materials. Extraction method based on the use of spin filters. Optimum removal of inhibitors ensures unproblematic use of nucleic acids in subsequent applications. Recommended for samples with unknown viruses. Includes Carrier Mix with internal DNA and RNA extraction control

Recommended Use

ExtractNow™ Virus DNA/RNA Kit is for research use only. Not recommended for clinical applications.

Shelf Life and Storage

Components are maintainable at room temperature for at least 6 months. Store the lyophilized Proteinase K at +2 to +8 °C

Specifications

- Extraction duration: approx. 25 minutes
- Quality: Positive PCR and TaqMan® real-time PCR testing results

Ordering Information

ExtractNow™ DNA Mini Kit
 Cat.-No. 601-1010 10 extractions
 Cat.-No. 601-1050 50 extractions

ExtractNow™ Blood DNA Mini Kit
 Cat.-No. 602-1010 10 extractions
 Cat.-No. 602-1050 50 extractions

ExtractNow™ RNA Mini Kit
 Cat.-No. 603-1010 10 extractions
 Cat.-No. 603-1050 50 extractions

ExtractNow™ Plasmid Mini Kit
 Cat.-No. 605-1010 10 extractions
 Cat.-No. 605-1050 50 extractions

ExtractNow™ CleanUp Kit
 Cat.-No. 604-1010 10 extractions
 Cat.-No. 604-1050 50 extractions

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

How to order

Phone: +1-908-524-4661
 E-mail: order@minervabiolabs.us
 Internet: www.minervabiolabs.us

