



## Company Profile

Shanghai Lingjun has been long focusing on the research, development, production, and sales of products including magnetic bead-based nucleic acid extraction reagents and micro-nano magnetic materials, etc. Our company has been recognized as a National High-Tech enterprise and a Shanghai specialized, high-end and innovation-driven enterprise.

## Main Products



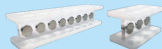
Micro-nano magnetic microspheres



Magnetic bead method nucleic acid extraction reagents



Automated nucleic acid extraction and purification instrument



Magnetic separator

## Shanghai Lingjun Biotechnology Co., Ltd.

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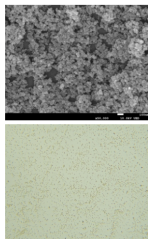
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# Silicon Based Magnetic Bead

## Product Introduction

The silicon-based magnetic beads series products are superparamagnetic and functionalized magnetic microspheres with abundant silicon hydroxyl groups (Si-OH) modified on the surface. They can bind to nucleic acids in solution through hydrophobic, hydrogen bonding, and electrostatic interactions under high salt and low pH conditions, and without binding to other impurities (such as proteins). They can quickly separate nucleic acids from biological samples, and the operation is safe and simple. As a good tool for nucleic acid extraction, enrichment and purification, silicon-based magnetic beads can be used in conjunction with automated nucleic acid extraction instrument for high-throughput operations.



## Product Features



Good suspension and dispersion performance

Large specific surface area, strong nucleic acid adsorption capacity, and recovery rate of over 90%

Superparamagnetism, strong magnetic properties, short magnetic response time, and good operational performance

Good stability and batch-to-batch repeatability

It can be used in conjunction with nucleic acid extraction reagents, and then with automated nucleic acid extraction instrument for high-throughput operations

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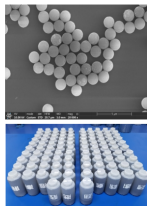




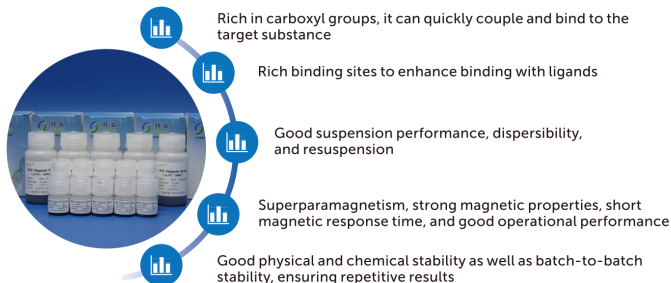
# Carboxyl Magnetic Bead

## Product Introduction

The carboxyl magnetic bead series products are superparamagnetic, functionalized magnetic microspheres with rich carboxyl functional groups on the surface, which have good dispersion stability and fast magnetic response. It has the ability to covalently couple biological ligands (such as peptides, proteins, antibodies and oligonucleotides) to the surface of microspheres under the action of special chemical reagents (such as EDC). It is suitable for downstream experimental applications such as protein purification, cell separation, and chemiluminescence. It is an important carrier tool in medical and molecular biology research.



## Product Features



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# Magnetic Bead Method Nucleic Acid Extraction Kit

## Sample Types

• Blood, serum/plasma, saliva, swabs, animal and plant tissues, Polysaccharides and Polyphenols Plant, plasmids, bacteria, fungi, virus, sequencing reaction products, PCR products.

## Nucleic Acid Types

• Genomic DNA, RNA, DNA/RNA, ctDNA, cfdNA, ccfDNA.

## Application

• Enzyme digestion, conventional PCR, fluorescence quantitative PCR, library construction, southern hybridization, chip detection and high-throughput sequencing, fragment sorting, DNA fragment purification and various downstream experiments.

• Widely used in fields such as scientific research in universities, infectious disease prevention, medical testing, animal disease detection, genetic testing, germplasm resources, and genetic breeding.

## Product Features

• No pollution, no use of toxic reagents such as chloroform, isoamyl alcohol, phenol, etc.

• The extracted genomic DNA or viral nucleic acid has high purity and complete fragments.

• Stable quality, small batch-to-batch differences.



• The entire operation is simple, with no need for repeated centrifugation.

• Especially suitable for automated operations of high-throughput workstations.

• Large adsorption capacity and high sensitivity.

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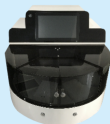




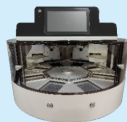
# Automated Nucleic Acid Extraction and Purification Instrument



**LJbio32H:**  
32-throughput Automated  
Nucleic Acid Extraction and  
Purification Instrument



**LJbio96H:**  
96-throughput Automated  
Nucleic Acid Extraction and  
Purification Instrument



**LJbio192H:**  
192-throughput Automated  
Nucleic Acid Extraction and  
Purification Instrument

## Product Introduction

The automated nucleic acid extraction and purification instrument is a device that uses magnetic bead method to extract and purify nucleic acids. It has the advantages of high automation, fast extraction speed, stable results, and simple operation. It can purify 1-32 or 1-192 samples in a single run. Paired with the company's self-developed nucleic acid extraction reagents, it is widely used in scientific research, disease control systems, food safety, clinical testing and other fields.

## Product Features

1. Maximum throughput: 192 samples/batch.
2. Good experimental repeatability and stability.
3. Compact size, easy to transport, and occupying small experimental space.
4. Professional structural design, the instrument operates silently.

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# Magnetic Rack

## Product Introduction

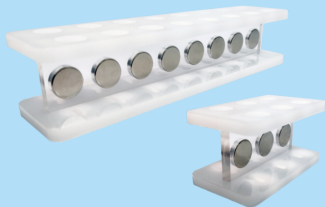
### 1. Dimensions:

Double row 6-hole (65 mm×37 mm×33 mm)

Double row 16-hole (155 mm×37 mm×33 mm)

### 2. Aperture: 10.6 mm (suitable for 1.5 mL or 2.0 mL centrifuge tubes)

### 3. Magnetic strength: 3500 gauss



## Product Features

The magnetic rack can efficiently separate various types of magnetic beads. By placing 0.2 mL-2 mL or 2 mL-5 mL centrifuge tubes on this magnetic rack, the magnetic separation process can be completed in a very short time, thereby achieving the goal of rapid separation and purification of substances such as cells, proteins, or nucleic acids. The centrifuge tube can be tightly attached to the magnetic rack, making the separation process more intuitive and convenient.

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| Number | Product Name  | Product Number | Specification            |
|--------|---|----------------|--------------------------|
| 1      | Plant Genomic DNA Extraction Kit (Magnetic Bead Method)                               | 160831         | Bottled: 50T, 100T, 200T |
| 2      | Animal Tissue Genomic DNA Extraction Kit (Magnetic Bead Method)                       | 160832         | Bottled: 50T, 100T, 200T |
| 3      | Polysaccharides and Polyphenols Plant DNA Extraction Kit (Magnetic Bead Method)       | 160863         | Bottled: 50T, 100T, 200T |
| 4      | Plasmid DNA Rapid Extraction Kit (Magnetic Bead Method)                               | 160866         | Bottled: 50T, 100T, 200T |
| 5      | Bacteria Genomic DNA Extraction Kit (Magnetic Bead Method)                            | 160886         | Bottled: 50T, 100T, 200T |
| 6      | Fungal DNA/RNA Extraction Kit (Magnetic Bead Method)                                  | 160889         | Bottled: 50T, 100T, 200T |
| 7      | Plant Total RNA Extraction Kit (Magnetic Bead Method)                                 | 160933         | Bottled: 50T, 100T, 200T |
| 8      | Serum/Plasma Viral Nucleic Acid Extraction Kit (Magnetic Bead Method)                 | 221001         | Bottled: 50T, 100T, 200T |
| 9      | Swabs Nucleic Acid Extraction Kit (Magnetic Bead Method)                              | 221004         | Bottled: 50T, 100T, 200T |
| 10     | Stool Total DNA Extraction Kit (Magnetic Bead Method)                                 | 221005         | Bottled: 50T, 100T, 200T |
| 11     | FFPE Tissue DNA Extraction Kit (Magnetic Bead Method)                                 | 221006         | Bottled: 50T, 100T, 200T |
| 12     | Polysaccharides and Polyphenols Plant Total RNA Extraction Kit (Magnetic Bead Method) | 231001         | Bottled: 50T, 100T, 200T |
| 13     | Animal Tissue Total RNA Extraction Kit (Magnetic Bead Method)                         | 231002         | Bottled: 50T, 100T, 200T |
| 14     | Serum/Plasma Free DNA Extraction Kit (Magnetic Bead Method)                           | 231003         | Bottled: 50T, 100T, 200T |
| 15     | Whole Blood Genomic DNA Extraction Kit (Magnetic Bead Method)                         | 231006         | Bottled: 50T, 100T, 200T |
| 16     | Viral DNA/RNA Extraction Kit (Magnetic Bead Method)                                   | 231008         | Bottled: 50T, 100T, 200T |
| 17     | Blood Genomic DNA Extraction Kit (Magnetic Bead Method)                               | 231010         | Bottled: 50T, 100T, 200T |

The products are for scientific research only. Please do not use them for medicine, clinical treatment, food, cosmetics, etc.

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| Number | Product Name   | Product Number | Specification            |
|--------|--|----------------|--------------------------|
| 18     | Plant DNA/RNA Extraction Kit<br>(Magnetic Bead Method)   | 231011         | Bottled: 50T, 100T, 200T |
| 19     | Animal Tissue DNA/RNA Extraction Kit<br>(Magnetic Bead Method)                                   | 231012         | Bottled: 50T, 100T, 200T |
| 20     | Ultra-trace Amount of Cells DNA/RNA<br>Extraction Kit<br>(Magnetic Bead Method)                  | 231013         | Bottled: 50T, 100T, 200T |
| 21     | Animal Tissue Genomic DNA Extraction Kit<br>(Magnetic Bead Method, No Centrifugation)            | 231014         | Bottled: 50T, 100T, 200T |
| 22     | Plant Genomic DNA Extraction Kit<br>(Magnetic Bead Method, No Centrifugation)                    | 231015         | Bottled: 50T, 100T, 200T |
| 23     | Plant DNA/RNA Extraction Kit<br>(Magnetic Bead Method, No Centrifugation)                        | 231016         | Bottled: 50T, 100T, 200T |
| 24     | Bacteria DNA/RNA Extraction Kit<br>(Magnetic Bead Method)  | 231017         | Bottled: 50T, 100T, 200T |
| 25     | Fungal DNA Extraction Kit<br>(Magnetic Bead Method)  | 231018         | Bottled: 50T, 100T, 200T |
| 26     | Serum/Plasma Free DNA Extraction Kit<br>(Magnetic Bead Method)                                   | 231019M        | Bottled: 50T, 100T       |
| 27     | Whole Blood Genomic DNA Extraction Kit<br>(Magnetic Bead Method)                                 | 231020M        | Bottled: 50T, 100T       |
| 28     | ccfDNA Extraction Kit<br>(Magnetic Bead Method)  | 241005         | Bottled: 50T             |
| 29     | Serum/Plasma Free DNA Extraction Kit<br>(Magnetic Bead Method)                                   | 231019L        | Bottled: 10T, 50T        |
| 30     | Whole Blood Genomic DNA Extraction Kit<br>(Magnetic Bead Method)                                 | 231020L        | Bottled: 10T, 50T        |
| 31     | Endotoxin-free Plasmid DNA Extraction Kit for<br>Small-volume Samples<br>(Magnetic Bead Method)  | 241001S        | Bottled: 50T, 100T, 200T |
| 32     | Endotoxin-free Plasmid DNA Extraction Kit for<br>Middle-volume Samples<br>(Magnetic Bead Method) | 241001M        | Bottled: 50T, 100T       |
| 33     | Endotoxin-free Plasmid DNA Extraction Kit for<br>Large-volume Samples<br>(Magnetic Bead Method)  | 241001L        | Bottled: 10T, 50T        |

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| Number | Product Number | Product Name                | Functional Group | Mean Diameter     | Concentration | Specification/bottle |
|--------|----------------|-----------------------------|------------------|-------------------|---------------|----------------------|
| 1      | 160011         | Silicon-based magnetic bead | Si-OH            | 800 nm            | 50 mg/mL      | 2 mL                 |
|        |                |                             |                  |                   |               | 10 mL                |
|        |                |                             |                  |                   |               | 50 mL                |
|        |                |                             |                  |                   |               | 500 mL               |
|        |                |                             |                  |                   |               | 1 L                  |
| 2      | 160012         | Carboxyl magnetic bead      | COOH             | 800 nm            | 50 mg/mL      | 2 mL                 |
|        |                |                             |                  |                   |               | 10 mL                |
|        |                |                             |                  |                   |               | 50 mL                |
|        |                |                             |                  |                   |               | 500 mL               |
|        |                |                             |                  |                   |               | 1 L                  |
| 3      | 160013         | Silicon-based magnetic bead | Si-OH            | 1.2 $\mu\text{m}$ | 50 mg/mL      | 2 mL                 |
|        |                |                             |                  |                   |               | 10 mL                |
|        |                |                             |                  |                   |               | 50 mL                |
|        |                |                             |                  |                   |               | 500 mL               |
|        |                |                             |                  |                   |               | 1 L                  |
| 4      | 160014         | Silicon-based magnetic bead | Si-OH            | 2 $\mu\text{m}$   | 100 mg/mL     | 2 mL                 |
|        |                |                             |                  |                   |               | 10 mL                |
|        |                |                             |                  |                   |               | 50 mL                |
|        |                |                             |                  |                   |               | 500 mL               |
|        |                |                             |                  |                   |               | 1 L                  |
| 5      | 160015         | Carboxyl magnetic bead      | COOH             | 2 $\mu\text{m}$   | 100 mg/mL     | 2 mL                 |
|        |                |                             |                  |                   |               | 10 mL                |
|        |                |                             |                  |                   |               | 50 mL                |
|        |                |                             |                  |                   |               | 500 mL               |
|        |                |                             |                  |                   |               | 1 L                  |
| 6      | 160017         | Silicon-based magnetic bead | Si-OH            | 2 $\mu\text{m}$   | 100 mg/mL     | 2 mL                 |
|        |                |                             |                  |                   |               | 10 mL                |
|        |                |                             |                  |                   |               | 50 mL                |
|        |                |                             |                  |                   |               | 500 mL               |
|        |                |                             |                  |                   |               | 1 L                  |
| 7      | 160019         | Silicon-based magnetic bead | Si-OH            | 4 $\mu\text{m}$   | 200 mg/mL     | 2 mL                 |
|        |                |                             |                  |                   |               | 10 mL                |
|        |                |                             |                  |                   |               | 50 mL                |
|        |                |                             |                  |                   |               | 500 mL               |
|        |                |                             |                  |                   |               | 1 L                  |
| 8      | 160021         | Silicon-based magnetic bead | Si-OH            | 800 nm            | 50 mg/mL      | 2 mL                 |
|        |                |                             |                  |                   |               | 10 mL                |
|        |                |                             |                  |                   |               | 50 mL                |
|        |                |                             |                  |                   |               | 500 mL               |
|        |                |                             |                  |                   |               | 1 L                  |
| 9      | 160024         | Silicon-based magnetic bead | Si-OH            | 1.4 $\mu\text{m}$ | 100 mg/mL     | 2 mL                 |
|        |                |                             |                  |                   |               | 10 mL                |
|        |                |                             |                  |                   |               | 50 mL                |
|        |                |                             |                  |                   |               | 500 mL               |
|        |                |                             |                  |                   |               | 1 L                  |
| 10     | 220011         | Silicon-based magnetic bead | Si-OH            | 500 nm            | 50 mg/mL      | 2 mL                 |
|        |                |                             |                  |                   |               | 10 mL                |
|        |                |                             |                  |                   |               | 50 mL                |
|        |                |                             |                  |                   |               | 500 mL               |
|        |                |                             |                  |                   |               | 1 L                  |
| 11     | 220012         | Silicon-based magnetic bead | Si-OH            | 400 nm            | 25 mg/mL      | 2 mL                 |
|        |                |                             |                  |                   |               | 10 mL                |
|        |                |                             |                  |                   |               | 50 mL                |
|        |                |                             |                  |                   |               | 500 mL               |
|        |                |                             |                  |                   |               | 1 L                  |
| 12     | 220013         | Silicon-based magnetic bead | Si-OH            | 400 nm            | 10 mg/mL      | 2 mL                 |
|        |                |                             |                  |                   |               | 10 mL                |
|        |                |                             |                  |                   |               | 50 mL                |
|        |                |                             |                  |                   |               | 500 mL               |
|        |                |                             |                  |                   |               | 1 L                  |
| 13     | 220015         | Silicon-based magnetic bead | Si-OH            | 300 nm            | 10 mg/mL      | 2 mL                 |
|        |                |                             |                  |                   |               | 10 mL                |
|        |                |                             |                  |                   |               | 50 mL                |
|        |                |                             |                  |                   |               | 500 mL               |
|        |                |                             |                  |                   |               | 1 L                  |
| 14     | 220021         | Carboxyl magnetic bead      | COOH             | 500 nm            | 50 mg/mL      | 2 mL                 |
|        |                |                             |                  |                   |               | 10 mL                |
|        |                |                             |                  |                   |               | 50 mL                |
|        |                |                             |                  |                   |               | 500 mL               |
|        |                |                             |                  |                   |               | 1 L                  |
| 15     | 220022         | Carboxyl magnetic bead      | COOH             | 400 nm            | 25 mg/mL      | 2 mL                 |
|        |                |                             |                  |                   |               | 10 mL                |
|        |                |                             |                  |                   |               | 50 mL                |
|        |                |                             |                  |                   |               | 500 mL               |
|        |                |                             |                  |                   |               | 1 L                  |
| 16     | 220023         | Carboxyl magnetic bead      | COOH             | 400 nm            | 10 mg/mL      | 2 mL                 |
|        |                |                             |                  |                   |               | 10 mL                |
|        |                |                             |                  |                   |               | 50 mL                |
|        |                |                             |                  |                   |               | 500 mL               |
|        |                |                             |                  |                   |               | 1 L                  |
| 17     | 220025         | Carboxyl magnetic bead      | COOH             | 300 nm            | 10 mg/mL      | 2 mL                 |
|        |                |                             |                  |                   |               | 10 mL                |
|        |                |                             |                  |                   |               | 50 mL                |
|        |                |                             |                  |                   |               | 500 mL               |
|        |                |                             |                  |                   |               | 1 L                  |

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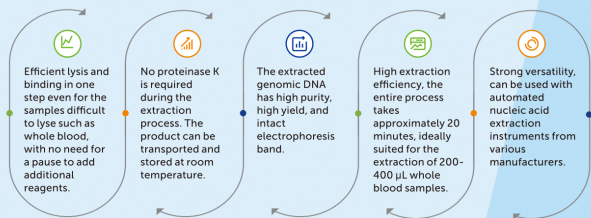
| Product Number | Product Name   | Specification   |
|----------------|--|---|
| 231010         | Blood Genomic DNA Extraction Kit<br>(Magnetic Bead Method) | Bottled: 50T/box, 100T/box, 200T/box                              |
|                |  | Prepackage A: 64T/box, 96T/box, 128T/box<br>Prepackage B: 96T/box |

## Product Introduction

This product is designed for the extraction, enrichment, and purification of genomic nucleic acids from fresh, frozen, or blood samples containing anticoagulants. Under the action of guanidine salts, the cells of the samples are lysed, and the nucleic acids are released. The nucleic acids are separated from other impurities in the sample through adsorption of magnetic beads and then washed with washing solution to remove proteins and residual guanidine salts. Finally, purified nucleic acids are obtained by elution and magnetic adsorption. The resulting product can be used for PCR amplification, nucleic acid detection and analysis, gene mutation analysis, and sequencing experiments.



## Product Advantages



## Application Fields

- Suitable for extracting genomic DNA from fresh, frozen, or blood samples containing anticoagulants.
- Suitable for obtaining high-purity genomic DNA from blood samples that are difficult to lyse.

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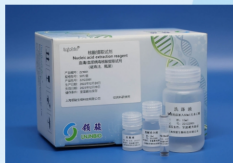


# Serum/Plasma Virus Nucleic Acid Extraction Kit (Magnetic Bead Method)

| Product Number | Product Name  | Specification   |
|----------------|---|---|
| 221001         | Serum/Plasma Virus Nucleic Acid Extraction Kit (Magnetic Bead Method) | Bottled: 50T/box, 100T/box, 200T/box                              |
|                |   | Prepackage A: 64T/box, 96T/box, 128T/box<br>Prepackage B: 96T/box |

## Product Introduction

This product uses guanidine salt to directly lyse cells and pathogens (viruses, bacteria, mycoplasma, chlamydia) in serum/plasma and releases nucleic acids. Magnetic beads adsorb nucleic acids in the lysis solution under the action of isopropanol. Remove a small number of impurities adsorbed by magnetic beads by cleaning with washing solution. Under the action of eluent, magnetic beads release adsorbed nucleic acids to obtain high-quality viral DNA/RNA. The virus DNA/RNA extracted from serum/plasma samples using this product does not require toxic reagents such as phenol or chloroform, and the obtained virus DNA/RNA can be directly used in downstream experiments.



## Product Advantages

**Broad adaptability:** Suitable for a wide range of samples including plasma, serum, and other cell-free bodily fluids, both DNA and RNA viruses are applicable.

**High sensitivity:** 10 IU/mL viral nucleic acid can be extracted stably from 200  $\mu$ L serum or plasma samples containing viruses.



Use self-developed magnetic beads; the extracted product can be amplified together with magnetic beads.

**High universality:** can be used with automated nucleic acid extraction equipment from different manufacturers for high-throughput operations.

## Application Fields

1. Suitable for isolating and purifying viral DNA or RNA from plasma and serum samples.
2. Suitable for isolating and purifying viral DNA or RNA with minimal content from plasma and serum samples.

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# Serum/Plasma Free DNA Extraction Kit (Magnetic Bead Method)

| Product Number | Product Name  | Specification   |
|----------------|---|---|
| 221003         | Serum/Plasma Free DNA Extraction Kit (Magnetic Bead Method) | Bottled: 50T/box, 100T/box, 200T/box                              |
|                |   | Prepackage A: 64T/box, 96T/box, 128T/box<br>Prepackage B: 96T/box |

## Product Introduction

The lysis solution in this product not only functions to lyse samples such as serum/plasma, but also provides environment for magnetic beads to adsorb nucleic acids, thereby achieving one-step lysis and binding. Remove a small number of impurities adsorbed by magnetic beads by cleaning with washing solution. Under the action of the eluent, magnetic beads release adsorbed nucleic acids, resulting in high-quality free DNA (ctDNA, cfDNA, ccfDNA). The free DNA extracted by this product does not require toxic reagents such as phenol and chloroform, and the obtained free DNA can be used directly in downstream experiments.



## Product Advantages

The extraction effect is good, especially for small fragments and trace amounts of DNA, which can achieve high recovery rates.

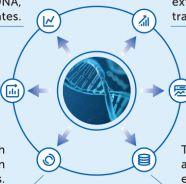
Efficient lysis and binding in one step, with no need for a pause to add additional reagents.

Strong universality, can be used with automated nucleic acid extraction instruments from different manufacturers.

No proteinase K is required during the extraction process. The product can be transported and stored at room temperature.

The reagents are multi-sample compatible and can be used for a wide range of samples, such as blood, serum, plasma, saliva and body fluids.

The reagents volumes can be adjusted according to customer's needs for the extraction of large volume samples.



## Application Fields

1. Suitable for extracting free DNA from blood, serum, and plasma samples.
2. Suitable for extracting small fragments and trace amounts of ctDNA, cfDNA or ccfDNA from samples.

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# Ultra-trace Amount of Cells DNA/RNA Extraction Kit (Magnetic Bead Method)

## Product Introduction

Various ultra-trace amount of cells samples, such as cells, tissue homogenate, cell culture medium, exfoliated cells, urine, cerebrospinal fluid, secretions, and other samples, are lysed and released nucleic acids under the action of guanidinium salts. The impurities in the sample will be separated from the nucleic acids by the adsorption of magnetic beads. Then remove the impurities like proteins and residual guanidinium salts by the washing solution, and finally obtain purified nucleic acids by elution buffer. The nucleic acid product can be used for PCR amplification, nucleic acid detection and analysis, gene mutation detection, sequencing and other experiments.

## Product Number

231013

## Product Name

Ultra-trace Amount of Cells  
DNA/RNA Extraction Kit  
(Magnetic Bead Method)

## Specification

Bottled:  
50T/box, 100T/box,  
200T/box



## Application Fields

1. It can be used for precision medicine applications such as early tumor screening, prognosis and late recurrence prediction, pregnancy/newborn genetic disease screening, and early warning of various diseases, tracing the pathogenesis of disease, disease prevention and diagnosis and treatment.
2. It is suitable for formulation of treatment plans for tumor cell heterogeneity in precision medicine. It is also suitable for clinical needs such as samples difficult to obtain during pregnancy, precious cells, and high accuracy of results.

## Product Advantages

1. It is suitable for large-volume trace samples with low nucleic acid concentration, trace tissue samples and cultured cells (a small number of cells) samples.
2. The method of using magnetic beads to adsorb nucleic acids has high efficiency of adsorption and purification, with no need for centrifugation, easy to operate, the whole extraction process takes 10-30 minutes.
3. It saves samples, obtains nucleic acid extraction product volume of 2-50  $\mu$ L, and ensures the concentration of nucleic acid extracted from ultra-trace samples and rare samples. It is very suitable for nucleic acid extraction from rare and precious minuscule cells samples.
4. Whole genome and whole transcriptome can be extracted at the same time, which can obtain relatively high-concentration nucleic acid with intact information from ultra-trace cells, which can be used for the third-generation sequencing directly.
5. Efficient lysis and binding in one step at room temperature. The nucleic acid is not easy to degrade by using the product, which maximally protects the integrity of the nucleic acid. It is very suitable for the co-extraction of whole genome and transcriptome with a small number of 10-100 cells.

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## Product Introduction

This product can be used for small circulating DNA (<300bp) in 500  $\mu$ L-8 mL of serum/plasma or urine. The lysis solution not only lyses samples such as serum/plasma, but also provides environment for the magnetic beads to adsorb nucleic acids, thus realizing lysis and binding in one step. The small amounts of impurities adsorbed by the magnetic beads are removed by washing solution. The magnetic beads release the adsorbed nucleic acids under the action of the elution solution, and high-quality free DNA (ctDNA, cfDNA, ccfDNA) is obtained. The free DNA extracted by this product does not require toxic reagents such as phenol and chloroform, and the obtained free DNA can be used directly in downstream experiments.

## Product Number

241005

## Product Name

ccfDNA Extraction Kit  
(Magnetic Bead Method)

## Specification

Bottled:  
50T/box, 100T/box,  
200T/box



## Product Advantages

1. Based on magnetic bead extraction technology, it can process 500  $\mu$ L-8 mL sample volume and achieve efficient extraction and purification of low concentration samples.
2. It can be applied to body fluid samples with low nucleic acid concentration, such as serum, plasma, urine, cerebrospinal fluid, pleural fluid, etc.
3. It can process large-volume samples (500  $\mu$ L-4 mL) with only 15  $\mu$ L-200  $\mu$ L elution volume, which is compatible with qPCR, digital PCR and NGS platform.
4. High throughput: it can be operated manually or automatically. It can be operated in a single tube or conjunction with a 24-throughput automated nucleic acid extractor to extract 24 samples in a single run.
5. When the product is used with the automated nucleic acid extractor, free DNA can be separated from 24 samples in 15-30 minutes.
6. Lysis and binding in one step at room temperature, which is simple to operate and the resulting DNA is not easy to degrade.
7. Safe and non-toxic, does not contain phenol, chloroform and other toxic reagents.

## Application Fields

1. It can be used in the liquid biopsy field of extracting circulating tumor cells (CTC), circulating tumor DNA (ctDNA), circulating free DNA (ccfDNA) from peripheral blood or other body fluids to diagnose or monitor tumors.
2. It can be used in the fields of tumor screening, prognosis evaluation, treatment effect evaluation, and personalized treatment.

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