

Nucleic Acid Automatic Extraction

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Automatic Extraction

TS-32 Automated Nucleic Acid Extractor

The TS-32 Automated Nucleic Acid Extractor, based on advanced magnetic beads separation technology, possesses the advantages of a high degree of automation, high-speed extraction, stable results, and simple operation. All extraction procedures of the automated nucleic acid extractor can be completed in 32-well deep-well plates without centrifugation or filtration procedures required by a routine extraction. This system enables simultaneous and rapid purification of 1 to 32 samples (including blood, tissues, cells, swabs, viruses, and other clinical or forensic specimens). The isolated high-quality nucleic acid (DNA/RNA) can be used for high-sensitivity downstream analysis, such as real-time PCR, clinical molecular diagnostics, gene expression analysis, gene analysis, forensics, infectious disease research, etc. Furthermore, cost-effective prefilled ready-to-use extraction kits will be provided for users' convenience.



Big Screen with Both Chinese and English Languages

Big color touch screen; Chinese and English languages; Easy to use



Precise Control

The built-in engineering computer endows the system with the capability of operating independently without a PC, which saves more space and energy, and provides a highly stable automatic control system



Temperature Control

Temperature Control
Users can define lysis and elution temperature according to experimental requirements



Stable Results

Avoid deviations and errors caused by manual operation, ensuring stable results and good repeatability.



Fast Extraction

Automated operation, fast and efficient, 1-32 sample extraction can be completed as soon as 12 minutes.



User-defined Programming

Powerful programming functions support a more flexible and efficient program edition to meet different reagent requirements. USB disk guide/export program available.



Safe and Stable

UV lights and negative pressure fans reduce air-solid pollution, safety doors can prevent operation errors, extract stably, and ensure safety.



Flexible Compatibility

The system operation is flexible and open, compatible with a variety of nucleic acid extraction reagents.

Product Parameters

Extraction time	9-30min
Sample type	Serum, Plasma, Whole blood, Oral swabs, Sputum, Feces, etc
Processing volume	Sample volume: 20ul~1000ul□Elution volume: 50ul~100ul
Purification repeatability	CV≤5%
Extraction sensitivity	Detection rate of 100 copies/ml positive samples is ≥95%
Temperature range	Lysis temperature: room temperature□105□□ Elution temperature: Room temperature□105□
Temperature accuracy	±5□
Motion accuracy	≤0.1mm
Reagent type	Pre-packaged reagents
Operation interface	7 inch touch screen
Disinfection and sterilization	UV sterilization

TS-96 Automated Nucleic Acid Extractor

TS-96 Automated Nucleic Acid Extractor, based on advanced magnetic beads separation technology, possesses the advantages of a high degree of automation, high-speed extraction, stable results, and simple operation. All extraction procedures of the automated nucleic acid extractor can be completed in 96-well deep-well plates without centrifugation or filtration procedures required by a routine extraction. This system enables simultaneous and rapid purification of 1 to 96 samples (including blood, tissues, cells, secretions, bacteria, plants, forensic materials, amplified products, or other specimens). The isolated high-quality nucleic acid (DNA/RNA) can be used for high-sensitivity downstream analysis, such as real-time PCR, clinical molecular diagnostics, gene expression analysis, gene analysis, forensics, infectious disease research, etc. Combined with other professional magnetic bead kits, it can be used for automated purification of proteins or peptide fragments, extraction and enrichment of specific bacteria, cells and various tumor markers, etc.



Precise Control

The built-in engineering computer endows the system with the capability of operating independently without a PC, which saves more space and energy, and provides a highly stable automatic control system.



Temperature Control

Temperature Control
Users can define lysis and elution temperature according to experimental requirements.



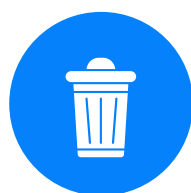
User-defined Programming

Powerful programming functions support a more flexible and efficient program edition to meet different reagent requirements. USB disk guide/export program available.



Stable Results

Avoid deviations and errors caused by manual operation, ensuring stable results and good repeatability.



Contamination Control

Strictly control the contamination between the holes and batches, avoid cross-contamination.



Flexible Compatibility

The system operation is flexible and open, compatible with a variety of nucleic acid extraction reagents.



Safe and Stable

UV lights and negative pressure fans reduce air-solid pollution, safety doors can prevent operation errors, extract stably, and ensure safety.



Fast Extraction

Automated operation, fast and efficient, 1-32 sample extraction can be completed as soon as 12 minutes.

Product Parameters

Sample Flux	1-96
Processing Volume	50-1000 μ l
Recovery Rate of Magnetic Rods	>98%
Temperature Control Range	Room Temperature~120°C;
Operating Interface	10-inch LCD screen
Procedure Management	Add, Edit, Delete, Copy, Import, Export
External Interface	USB 2.0 Port, LAN Port
Contamination Control	Ultraviolet Disinfection
Power Conditions	AC220-240 V, 50/60 Hz, 400 VA
Product Size (Length \times Width \times Height)	730 mm \times 547 mm \times 605 mm
Weight	62 kg

TS-32 Automated Nucleic Acid Extractor Related Products

Product Name	Cat. No.	Specification
TS-32 Automated Nucleic Acid Extractor	TS-32	1
<i>MagicPure</i> [®] 32 Blood Genomic DNA Kit	EC101-32-11	32 rxns
	EC101-32-12	64 rxns
<i>MagicPure</i> [®] 32 Plant Genomic DNA Kit	EC102-32-11	32 rxns
	EC102-32-12	64 rxns
<i>MagicPure</i> [®] 32 Microbiome DNA Isolation Kit	EC107-32-11	32 rxns
	EC107-32-12	64 rxns
<i>MagicPure</i> [®] 32 Cell-Free DNA Kit	EC201-32-11	32 rxns
	EC201-32-12	64 rxns
<i>MagicPure</i> [®] 32 FFPE Tissue Genomic DNA Kit	EC701-32-11	32 rxns
	EC701-32-12	64 rxns
<i>MagicPure</i> [®] 32 Stool and Soil Genomic DNA Kit	EC801-32-11	32 rxns
	EC801-32-12	64 rxns
<i>MagicPure</i> [®] 32 Buccal Swab Genomic DNA Kit	EC901-32-11	32 rxns
	EC901-32-12	64 rxns
<i>MagicPure</i> [®] Up 32 Viral DNA/RNA Kit	EC341-32-11	32 rxns
	EC341-32-12	64 rxns
<i>MagicPure</i> [®] 32 Total RNA Kit	EC521-32-11	32 rxns
	EC521-32-12	64 rxns
<i>MagicPure</i> [®] 32 Fast Cell RNA Kit	EC522-32-11	32 rxns
	EC522-32-12	64 rxns

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<i>MagicPure</i> [®] 96 Blood Genomic DNA Kit	EC101-96-11	96 rxns
<i>MagicPure</i> [®] 96 Plant Genomic DNA Kit	EC102-96-11	96 rxns
<i>MagicPure</i> [®] 96 Microbiome DNA Isolation Kit	EC107-96-11	96 rxns
<i>MagicPure</i> [®] 96 Cell-Free DNA Kit	EC201-96-11	96 rxns
<i>MagicPure</i> [®] 96 FFPE Tissue Genomic DNA Kit	EC701-96-11	96 rxns
<i>MagicPure</i> [®] 96 Stool and Soil Genomic DNA Kit	EC801-96-11	96 rxns
<i>MagicPure</i> [®] 96 Buccal Swab Genomic DNA Kit	EC901-96-11	96 rxns
<i>MagicPure</i> [®] Up 96 Viral DNA/RNA Kit	EC341-96-11	96 rxns
<i>MagicPure</i> [®] 96 Total RNA Kit	EC521-96-11	96 rxns
<i>MagicPure</i> [®] 96 Fast Cell RNA Kit	EC522-96-11	96 rxns

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