

ΔΙΑ•M
современная лаборатория

ALLSHENG

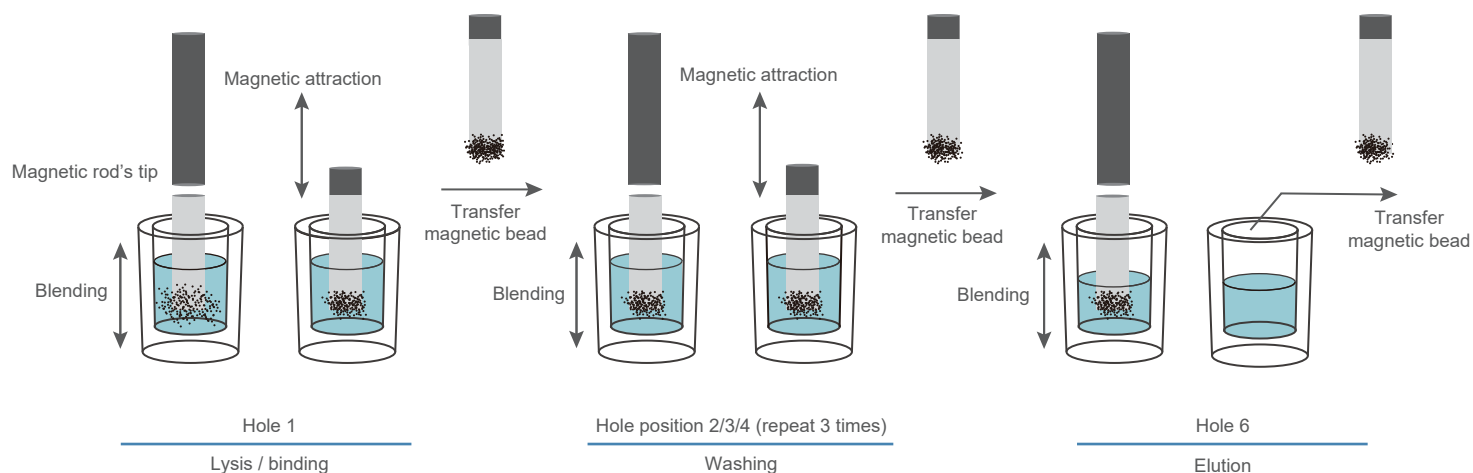
Nucleic Acid Purification System



HANGZHOU ALLSHENG INSTRUMENTS CO., LTD.

Working Principle of Auto-Pure Series

Auto-Pure series nucleic acid purification system is a device for extracting and purifying nucleic acid by magnetic bead method. It has the advantages of high automation, fast extraction, stable results, simple operation, less toxicity of reagents and more environmental protection. Nucleic acid purification system is combined with different types of magnetic bead nucleic acid extraction reagents, which can quickly extract nucleic acids from animal and plant tissues, blood, body fluids, criminal specimens and other samples. It is widely used in scientific research, disease control system, food safety, forensics medicine, clinical monitoring and other fields.



Common Applications of Nucleic Acid Extraction from Large Volume Samples

| Sample type | Whole Blood | Plasma | Faeces | Sputum |
|------------------|---|--|--|-------------------------------------|
| Amount of sample | 200 μ L~3 mL | 1~3 mL | 2~3 mL | 1 mL Liquefied sample |
| Application | Used for construction of biological sample database and other applications that require a large amount of genomic DNA | Extraction of viral nucleic acid, blood screening, antenatal screening | Extraction of DNA from exfoliated cells in the stomach and intestine | Diagnosis of pulmonary tuberculosis |

Note: Too many or too few samples will affect the extraction results.

Routine Volume Sample Applications

| Sample type | Plant/Animal tissues | Whole Blood | Plasma | Test paper | Forensic examination materials |
|-----------------------|--|--|---|---|--|
| Amount of sample | 10~20 mg/ 50~100 mg | 200~300 μ L | 200 μ L | 400~600 μ L | 400~600 μ L |
| DNA Extracting Volume | 5~20 μ g | 2~10 μ g | Very low concentration that needs to be detected by PCR directly. | Very low concentration that needs to be detected by PCR directly. | Very low concentration that needs to be detected by PCR directly. |
| Application | Used for the research of specific gene function, animal and plant disease etc. | Used for specific genes & function research etc. | Viral nucleic acid extraction, disease diagnosis | Viral nucleic acid extraction, disease monitor | Extract exfoliated cell genomic DNA, STR typing to identify suspects |

Note: Too many or too few samples will affect the extraction results.

Auto-Pure Mini

Nucleic Acid Purification System



NEW

| Specification | |
|-----------------------------|--|
| Throughput | 1~16 |
| Processing volume | 20~1000 μ L |
| Consumable | 8-Tip comb 96 deepwell plate/single test strip |
| Principle / working mode | Magnetic beads absorption and seperation |
| Stability | CV \leq 3 % |
| Magnetic bead recovery rate | >95 % |
| Lysis temperature | RT.~120 $^{\circ}$ C |
| Elution temperature | RT.~120 $^{\circ}$ C |
| Mixing | Mixing ways can be editable |
| Operation interface | 4.3 touch screen, 3 shortcut keys and external mouse |
| Program | Preset 6 programs, max store 100 programs |
| Program management | New, edit, save as, delete |
| Port | Standard USB, Ethernet port, WiFi |
| Lighting | LED |
| Sterilization | Fan exhaustion, UV sterilization |
| Dimension | 20 cm \times 26 cm \times 30 cm |
| Weight | 7 kg |

Auto-Pure Mini nucleic acid purification system is featured with mini size and powerful function to meet the daily testing requirements of small labs. Supporting the use of cell phone APP to remote edit protocols, import and export data, check running log etc, make it much more convenient for users.

Features

Simple and Intelligent Operation

- Built-in lighting LED, real-time observation of the running status
- Graphical interface design makes the operation easier
- Create, edit and manage programs can be completed on one cell phone by APP

Field Experiment

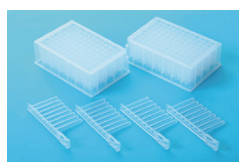
- Special design of the instrument, small size, easy to carry
- Intelligent energy-saving mode for reducing the power consumption of battery supply
- External battery power supply, DC24 V/5 A can be available

High-quality Fast Extraction

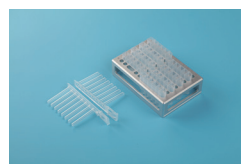
- Up to 16 samples with max 1 mL/process volume per run
- Equipped with lead screw drive to achieve high precision lifting movement
- UV sterilization function to reduce the contamination of samples between different batches

Open Design, Free Editing Software

- Accurate temperature control of ambient +5 $^{\circ}$ C~120 $^{\circ}$ C
- Easy to set program with open and humanized software
- Powerful open software can match with different kinds of magnetic bead kits
- **Special single test strip mode makes single test much more cheaper**



Auto-Pure Mini Consumables



Auto-Pure Mini Single Sample Consumables


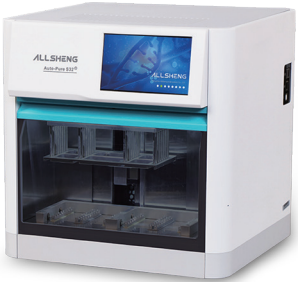








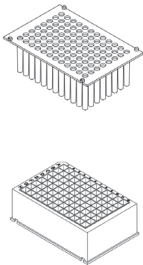
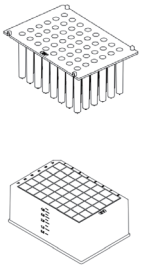
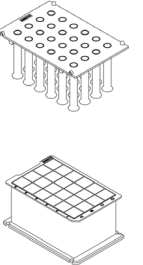
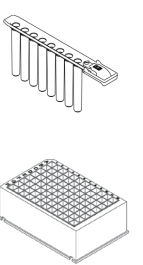
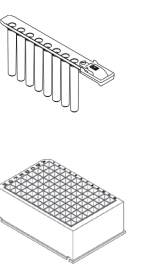
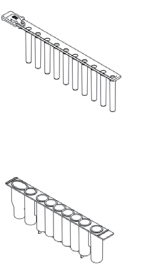
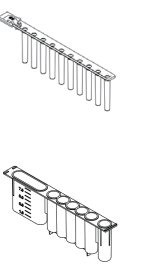
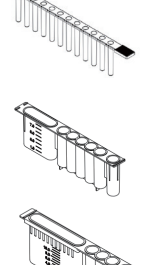
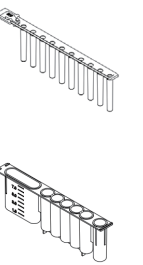
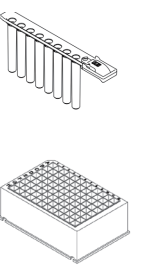
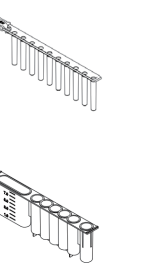
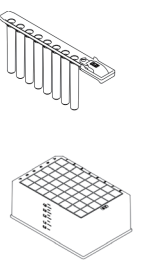


Auto-Pure Mini Code Scanner



Auto-Pure Mini External Battery Power Supply

Auto-Pure Series Nucleic Acid Purification System Selection Guide

| | | | | | | | | | | | | |
|---|---|--|---|---|---|--|--|--|--|---|--|--|
| <p>Picture</p> |  | | |  |  |  |  |  |  |  |  |  |
| <p>Model</p> | Auto-Pure 96 | Auto-Pure 48 | Auto-Pure 24 | Auto-Pure S32 | Auto-Pure 32A | Auto-Pure 20A | Auto-Pure 20B | Auto-Pure 24D | Auto-Pure 10BS | Auto-Pure 16A | Auto-Pure 10B | Auto-Pure Mini |
| <p>Maximum processing volume</p> | 1 mL | 3 mL | 10 mL | 1 mL | 1 mL | 3 mL | 5 mL | 10 mL | 5 mL | 1 mL | 5 mL | 1 mL |
| <p>Sample quantity</p> | 96 | 48 | 24 | 32 | 32 | 20 | 20 | 24 | 10 | 16 | 10 | 16 |
| <p>Consumable</p> | <p>96-deepwell plate and magnetic rod's tip</p>  | <p>3 mL tube strips and magnetic rod's tip</p>  | <p>10 mL kit and magnetic rod's tip</p>  | <p>96-deepwell plate and magnetic rod's tip</p>  | <p>96-deepwell plate and magnetic rod's tip</p>  | <p>2 mL tube strips and magnetic rod's tip</p>  | <p>5 mL tube strips and magnetic rod's tip</p>  | <p>5 mL/10 mL tube strips and magnetic rod's tip</p>  | <p>5 mL tube strips and magnetic rod's tip</p>  | <p>96-deepwell plate and magnetic rod's tip</p>  | <p>5 mL tube strips and magnetic rod's tip</p>  | <p>96-deepwell plate and magnetic rod's tip</p>  |
| <p>Note</p> | <p>Suitable for large sample size inspection units, third-party testing companies</p> | <p>It can meet the user's requirements of large sample processing volume and high throughput at the same time</p> | <p>Suitable for gut microbial gene pool extraction of cfDNA</p> | <p>Suitable for rapid extraction of animal, plant tissue, blood and other body fluid samples</p> | <p>Suitable for routine sample extraction of blood, animal and plant tissues</p> | <p>It is used to extract single sample, especially suitable for scientific research institutes</p> | <p>Suitable for cfDNA and nucleic acid sample library, nucleic acid super-sensitive detection</p> | <p>Suitable for very low nucleic acid extraction for cancer screening, prenatal diagnosis, etc.</p> | <p>Compact instrument design, suitable for field extraction and miniaturized laboratories</p> | <p>The instrument design is compact and the sample processing volume is large. With metal bath function, it can be used for sample preparation or detection</p> | <p>Suitable for small amount of routine sample extraction</p> | <p>The design of the instrument is small and the volume is only 1/3 of the common nucleic acid extraction in the market, especially suitable for field use</p> |

Auto-Pure 96 / Auto-Pure 48 / Auto-Pure 24

Nucleic Acid Purification System



Production Introduction

Auto-Pure 96 / Auto-Pure 48 / Auto-Pure 24 nucleic acid purification system adopts magnetic bead separation technology, using 96-well deep well plate and 96 magnetic rod's tip (1,000 μL reaction system); 3 mL tube strips, 48 magnetic rod's tip (3,000 μL reaction system); 10 mL tube strips, 24 magnetic rod's tip (10,000 μL reaction system). Combined with different kinds of magnetic bead nucleic acid extraction kits, it can operate 1-96 samples, 1-48 samples or 1-24 samples simultaneously and extract DNA and RNA rapidly in 30-60 minutes.

Features

Simple, Intelligent Operation

- Built-in lighting LED lights, it can observe the running status of the instrument in real time.
- The front cover can be opened for quick stop, which is convenient for reagent optimization and observation.
- Intelligent operation with self-inspection, power protection function.
- 8-plate position automatic identification design. No manual adjustment required.

Multiple Pollution Control

- Drip-proof plate design with software control magnetic beads drying mode, to prevent the liquid splashing in the experiment process.
- Disposable consumables can eliminate the cross contamination between holes and batches. It has built-in sterilization function which can do regular UV sterilization.

Reliable Structure and Stable Operation

- Adopt lead screw drive to realize lifting movement with high precision.
- Patent structure design with center rotary table which makes it occupy less area.
- Patent design for automatic loading and unloading structure of magnetic rod tip comb, which guarantee stability and liability. (Success rate > 99.99 %)

High Quality and Rapid Extraction

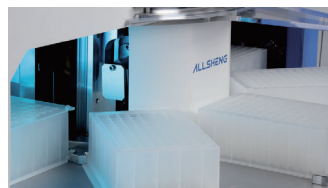
- Can process 96 \times 1 mL samples simultaneously.
- Auto-Pure 24 maximum sample size is 10 mL.
- It can effectively avoid the influence of human factors on the experiment.

Open software design, software can be edited freely

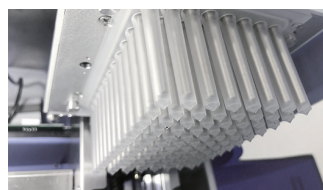
- RT. + 5 $^{\circ}\text{C}$ ~ 120 $^{\circ}\text{C}$, accurate temperature control.
- Single machine can do program editing.
- The software has complete functions and is suitable for all kinds of magnetic bead reagents.
- Diverse binding and magnetic absorption modes, which is conducive to reagent optimization.



With openable carbon door



Turnplate design with small occupied space and stable operation



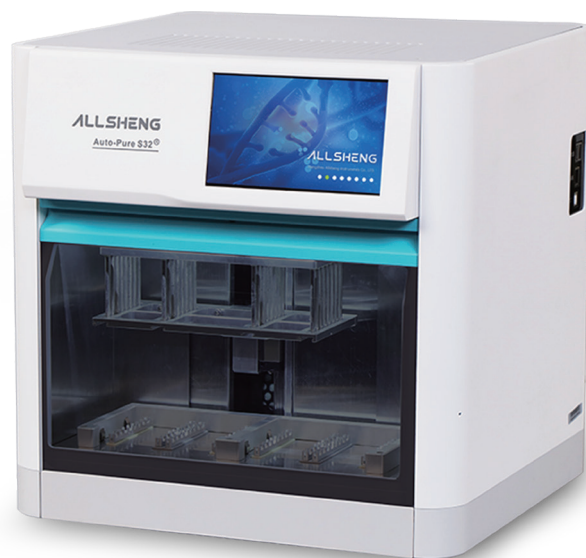
Patent structure of magnetic rod sleeve loading and unloading, more stable and reliable

Specification

| Model | Auto-Pure 96 | Auto-Pure 48 | Auto-Pure 24 |
|-----------------------|---|---------------------------------------|--|
| Throughput | 1~96 | 1~48 | 1~24 |
| Process volume | 50~1000 μ L | 50~3000 μ L | 50~10000 μ L |
| Consumables | 96-deep well plate + 96 magnetic rod's tip | 3 mL tube strips + magnetic rod's tip | 10 mL tube strips + magnetic rod's tip |
| Working principle | Magnetic bead method, magnetic rod type / center rotary table | | |
| Purification accuracy | 100 copy sample positive rate > 95 % | | |
| Stability | CV<5 % | | |
| Collection efficiency | >95 % | | |
| Lysis temp. | RT.~120 $^{\circ}$ C | | |
| Elution temp. | RT.~120 $^{\circ}$ C | | |
| Mixing | Mixing ways can be editable | | |
| Operation interface | 7-inch touch screen, 3 shortcut buttons and mouse is available | | |
| Built-in program | 8 groups of preset programs, 100 groups of programs can be stored | | |
| Program management | New, edit, delete, save as | | |
| Expansion interface | Standard USB, ethernet port and WIFI are available | | |
| Lighting | Yes | | |
| Sterilization | UV light | | |
| Exhaust way | By Fan | | |
| Data storage | Available, with built-in SD card | | |
| Max. input power | 300 W | | |
| Dimension | 56 cm×62 cm×50 cm | | |
| Weight | 54 kg | | |

Auto-Pure S32

Nucleic Acid Purification System



Production Introduction

Auto-pure S32 is a device for nucleic acid extraction and purification based on magnetic bead method. It can be used for fully automatic extraction and purification of DNA, RNA and protein. Through the adsorption, transfer and release of magnetic beads by magnetic rods and magnetic rod sleeve, the transfer of magnetic beads / samples is realized, and the automatic extraction and purification operation is completed. The operation is automated, fast and easy. Using special kits or 96-well plates, 1 to 32 samples can be processed at the same time.

With different types of magnetic bead and nucleic acid extraction reagents, rapid extraction of animal, plant tissue, blood and other body fluid samples can be achieved. It is mainly used for the extraction and purification of nucleic acid from human samples.

Features

Humanized Operating System

- Chinese and English interface operation, touch screen operation, and external mouse, easy to use
- Built-in lighting LED for real-time observation of operating status
- Short operation time, with different reagents, the general extraction time is 10~60 minutes / time
- Support external scanning gun, automatically identify program / sample and other information after scanning

Stable Operation, Safe and Reliable

- The instrument runs quietly and the whole machine has no vibration
- Automatic reagents and disposable consumables reduce operator exposure to harmful reagents
- Select high-quality materials and processes, low loss of magnetic beads, high yield
- Built-in UV sterilization function reduces the risk of contamination

Open Design, Flexible Extraction

- 1-32×1 mL samples can be extracted in one run
- Realize lysis heating and elution heating
- The mixing speed of 1-10 gears can be set flexibly, and the methods are more diverse

Intelligent and Diverse Network System

- Network control ---- extensible Ethernet remote control, WiFi function
- APP software ---- can expand the Android tablet computer, mobile phone monitoring system
- Expanded functions ---- IOT to achieve efficient background management



96-Deepwell Plate



Magnetic Rod's Tip

Specification

| | |
|--------------------------------|--|
| Model | Auto-Pure S32 |
| Principle | Magnetic bead method |
| Throughput | 1 - 32 |
| Plate type | 96 deepwell plate |
| Process volume / μL | 30 - 1000 μL |
| Stability | $\text{CV} \leq 5\%$ |
| Heating for lysis tube | RT.~120 °C |
| Heating for elution tube | RT.~120 °C |
| Heating time | RT.~120 °C \leq 4 minutes |
| Cooling time | 100 °C~40 °C \leq 10 minutes (RT.25 °C) |
| Temperature precision | ± 0.5 °C |
| Temperature uniformity | At 100 °C, ± 1 °C |
| Shake mixing | 1-10 gear can be set |
| Operation interface | 7 inch color large touch screen |
| Internal procedure | Up to 500 programs can be stored |
| Instrument interface | 2 USB (dual A type), 1 USB (B type), 1 Ethernet port |
| Network | Standard Wifi network, reserved 4G network |
| Barcode scanning | Support external scanning gun, automatically identify program / sample and other information |
| Sterilization | UV sterilization |
| Purification filter | Equipped with a purification filter system to reduce cross-contamination such as aerosols |
| Power supply | AC110-240 V, 50 / 60 Hz, 450 VA |
| Dimension (W×D×H) mm | 417×410×426 mm |
| Weight | 20 kg |

Auto-Pure 20A / Auto-Pure 20B / Auto-Pure 24D

Nucleic Acid Purification System



Production Introduction

Auto-Pure 20 series nucleic acid purification system has further improved the sample processing capacity based on 32A. The maximum processing volume of 20A is 3 mL; and the maximum processing volume of 20B / 24D is 5 mL and 10 mL, combined with the patented left and right mixing method and reagent strips. In addition, the single-strip design of the kit can effectively avoid the waste of the kit, which is more suitable for customers with a small amount of samples.

Features

Auto-Pure 20A

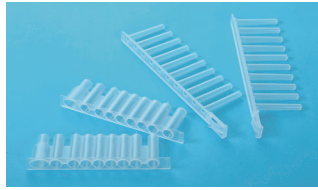
- Patent tube strips with individual packing.
- Tube strips are with two sample wells, the first one is for 2 mL volume while second 1 mL, users can choose according to actual demand
- The max. processing volume is 3 mL, and the maximum of sample volume is 1.2 mL
- It can be used separately for nucleic acid extraction and purification which decreased kits waste, more suitable for research use
- Drawer type sampling, convenient and safe
- Open software makes various parameters set freely, such as mixing speed, magnetic absorption method, heating method and other functions

Auto-Pure 20B / Auto-Pure 24D

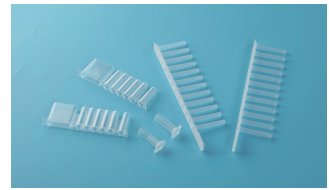
- Large sample volume processing: 20B maximum processing volume 5 mL, 24D maximum processing volume 10 mL, to meet a variety of applications
- **24D has two maximum processing volumes, suitable for 5 mL and 10 mL consumables**
- Patented designed kits can be individually packaged for nucleic acid extraction and purification from a single sample
- Patented left and right mixing method is especially suitable for cfDNA extraction, nucleic acid sample library construction, blood nucleic acid screening, and nucleic acid hypersensitivity detection
- Drawer type sampling, convenient and safe
- Open software makes various parameters set freely, such as mixing speed, magnetic absorption method, heating method and other functions



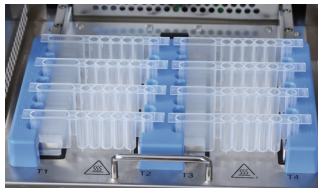
Auto-Pure 24D



Auto-Pure 20A Consumables



Auto-Pure 24D 5 mL Consumables



Auto-Pure 20B



Auto-Pure 20B Consumables



Auto-Pure 24D 10 mL Consumables

Specification

| Model | Auto-Pure 20A | Auto-Pure 20B | Auto-Pure 24D |
|-----------------------|---|---|--|
| Throughput | 1~20 | 1~20 | 1~24 |
| Process volume | 50~3000 μ L | 50~5000 μ L | 50~10000 μ L / 50~5000 μ L |
| Consumables | 2 mL tube strips + magnetic rod's tip | 5 mL tube strips + magnetic rod's tip | 5 mL tube strips + magnetic rod's tip / 10 mL tube strips + magnetic rod's tip |
| Working principle | Magnetic bead method, magnetic rod type / up and down mixing | Magnetic bead method, magnetic rod type / up and down mixing, left and right mixing | |
| Purification accuracy | 100 copy sample positive rate > 95 % | | |
| Stability | CV<5 % | | |
| Collection efficiency | >95 % | | |
| Lysis temp. | RT.~120 °C | | |
| Elution temp. | RT.~120 °C | | |
| Mixing | Mixing ways can be editable | | |
| Operation interface | 7-inch touch screen, 3 shortcut buttons and mouse is available | | |
| Built-in program | 8 groups of preset programs, 100 groups of programs can be stored | | |
| Program management | New, edit, delete, save as | | |
| Expansion interface | Standard USB, ethernet port and WIFI are available | | |
| Lighting | Yes | | |
| Sterilization | UV light | | |
| Exhaust way | By Fan | | |
| Data storage | Available, with built-in SD card | | |
| Max. input power | 450 W | | |
| Dimension | 40 cm×52 cm×45 cm | | |
| Weight | 30 kg | | |

Auto-Pure 32A

Nucleic Acid Purification System



Production Introduction

Auto-Pure 32A nucleic acid purification system is a device for extracting and purifying nucleic acid by magnetic bead method. It has the advantages of high automation, fast extraction speed, stable results and simple operation. Using 96 deepwell plate, 1-32 samples can be purified simultaneously. DNA and RNA in animal and plant tissues, blood, body fluids and criminal samples can be extracted quickly with different kinds of bead nucleic acid reagents. It is widely used in scientific research, disease control system, food safety, forensic medicine, clinical monitoring and other fields.

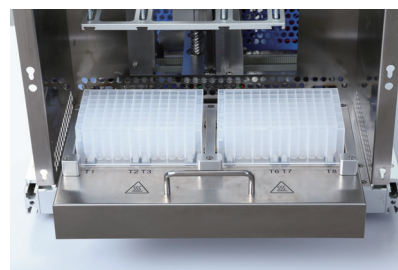
Auto-Pure 32A

- Purification of 32 samples in one run
- Drawer type sampling, convenient and safe
- Screw rod design, higher operation accuracy
- Open system, suitable for various magnetic bead extraction reagents
- Large guide rail design, small clearance, more stable structure
- UV lamp to avoid cross contamination

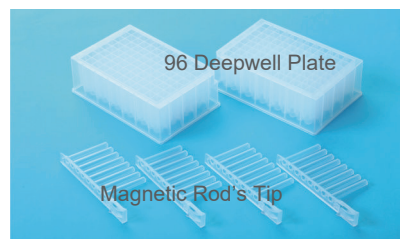
The image shows two screenshots of the Auto-Pure 32A's operation interface. The left screenshot displays the 'Settings' menu with options for Instrument, Date&time, Language, Air ejector fan, Im.&export, Upgrade, and Lighting. The right screenshot shows the 'Manage Prog.' screen with a table of program steps and a numeric keypad.

| Step | Well | Name | Mix Time (min) | Magnet (sec) | Wait Time (min) | Volume (ul) | Mix Speed (r-10) | Temp (°C) |
|------|------|------|----------------|--------------|-----------------|-------------|------------------|-----------|
| 1 | 1 | STEP | 0 | 0 | 0 | 200 | 5 | OFF |
| 2 | 1 | STEP | 0 | 0 | 0 | 200 | 5 | 0 |

Operation Interface



Convenient Drawer Sampling



Auto-Pure 32A Consumables

Specification

| | |
|--------------------------|---|
| Model | Auto-Pure 32A |
| Throughput | 1~32 |
| Process volume | 50~1000 μ L |
| Consumables | 96 Deepwell plate + magnetic rod's tip |
| Working principle | Magnetic bead method, magnetic rod type / up and down mixing, left and right mixing |
| Software security design | Operating system encryption function can effectively prevent malicious tampering with parameters and programs |
| Anti-pollution design | 6 fan convection design to effectively prevent aerosol pollution |
| Purification accuracy | 100 copy sample positive rate >95 % |
| Stability | CV<5% |
| Collection efficiency | >95 % |
| Lysis temp. | RT.~120 °C |
| Elution temp. | RT.~120 °C |
| Mixing | Mixing ways can be editable |
| Operation interface | 7 inch color touch screen, 3 shortcuts, external mouse |
| Built-in program | 8 groups of preset programs, 100 groups of programs can be stored |
| Program management | New, edit, delete, save as |
| Expansion interface | Standard USB, ethernet port and WIFI are available |
| Lighting | Yes |
| Sterilization | UV light |
| Exhaust way | By fan |
| Data storage | Available, with built-in SD card |
| Max. input power | 450 W |
| Dimension | 40 cm×47 cm×45 cm |
| Weight | 28 kg |

Auto-Pure 10 Series / Auto-Pure 16A

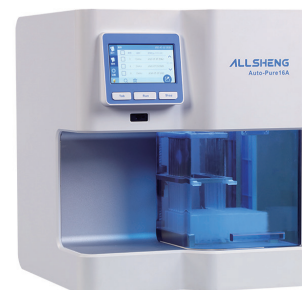
Nucleic Acid Purification System



Auto-Pure 10B



Auto-Pure 10BS



Auto-Pure 16A

Production Introduction

Auto-Pure 10B series / Auto-Pure 16A is a miniaturized nucleic acid extraction and purification instrument adopting magnetic bead method, which is developed on the basis of Auto-Pure 20B and Auto-Pure 32A. Auto-Pure 10B series can extract 10 samples in one run, maximum sample volume is 5 mL. Auto-Pure 10BS integrates dry bath heating function, and the extracted template can be subject to subsequent processing such as isothermal amplification reaction, which is convenient for on-site extraction and detection of results. Auto-Pure 16A can extract 16 samples in one run, maximum sample volume is 1 mL. With different types of magnetic bead nucleic acid reagents, it can quickly extract nucleic acids from animal and plant tissues, blood, body fluids, criminal specimens and other samples.

Auto-Pure 10B Series

Auto-Pure 10B series includes two models:

- Auto-Pure 10B
Maximum sample processing volume 5 ml, up to 10 samples can be processed at the same time, the instrument has its own lysis well, elution well, heating function.
- Auto-Pure 10BS
Composite, maximum sample volume 5 mL, up to 10 samples can be processed at the same time, on the basis of 10B, increase the function of block heating.

Auto-Pure 16A

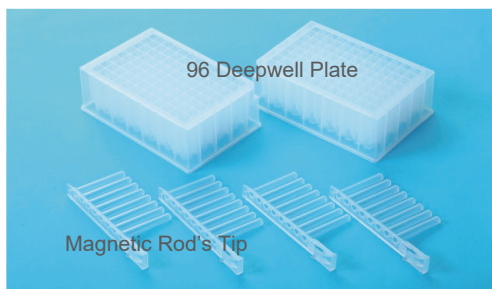
- On the basis of Auto-Pure 32A, the maximum sample handling capacity can be reduced, and up to 16×1 mL samples can be processed simultaneously. It is an ideal choice for automated extraction in small laboratories.

Features

- 4.3 inch touch screen, easy to use
- Temperature and programs can be edited and saved according to different reagent requirement
- Short operation time: 15~40 min per run
- High yield of nucleic acid with low magnetic bead loss and good repeatability of results
- UV sterilization, avoid cross contamination
- Open system which can apply to different magnetic bead extraction reagent
- Built-in software, which is easier to edit, set, manage programs
- Screw rod design which guarantee high operating accuracy; large guide rail design makes the structure more reliable
- With QR code identification function, special reagent can be recognized, no need to program or obtain protocols
- Open instrument parameters can be set by itself: mixing speed, magnetic absorption and release, cooling fan and other functions
- Small volume, suitable for extraction on site

Auto-Pure 10BS Dry Bath Function

10BS integrates dry bath function, heating block can be replaced, different well size block can be selected for different applications, greatly expanding application scope of the instrument. For example, it can be used in the incubation and lysis process of sample pre-processing, which can reduce the area occupied by the instrument and save the cost of the instrument. In addition, with specific constant temperature amplification detection kit, it can also be used for constant temperature amplification detection of samples, and can quickly check the qualitative results of extracted samples.



Auto-Pure 16A Consumables



Auto-Pure 10B / 10BS Consumables

Specification

| Model | Auto-Pure 10B | Auto-Pure 10BS | Auto-Pure 16A |
|-----------------------|---|---|--------------------------------------|
| Throughput | 1~10 | 1~10 | 1~16 |
| Process volume | 50~5000 μ L | 50~5000 μ L | 50~1000 μ L |
| Consumable | 5 mL tube strip+magnetic rod's tip | 5 mL tube strip+magnetic rod's tip | 96 deepwell plate+magnetic rod's tip |
| Block heating | ---- | Yes (RT.+5 $^{\circ}$ C~105 $^{\circ}$ C) | ---- |
| Lysis temp. | RT.~120 $^{\circ}$ C | RT.~120 $^{\circ}$ C | RT.~120 $^{\circ}$ C |
| Elution temp. | RT.~120 $^{\circ}$ C | RT.~120 $^{\circ}$ C | RT.~120 $^{\circ}$ C |
| Purification accuracy | 100 copy sample positive rate>95 % | | |
| Stability | CV<5 % | | |
| Collection efficiency | >95 % | | |
| Mixing | Mixing ways can be editable | | |
| Operation interface | 4.3 inch touch screen, 3 shortcut keys, external mouse | | |
| Built-in program | 6 groups of preset programs, 100 groups of programs can be stored | | |
| Program management | PC software, APP software, easier program editing and management | | |
| Extension interface | Standard USB, ethernet port and WIFI are available | | |
| Lighting | Yes | | |
| Sterilization | UV light | | |
| Exhaust way | By Fan | | |
| Data storage | Built-in SD card | | |
| Max. input power | 300 W | 350 W | 300 W |
| Dimension | 340 mm×350 mm×410 mm | 340 mm×350 mm×410 mm | 340 mm×350 mm×410 mm |
| Weight | 18 kg | 18.5 kg | 18 kg |

Product Ordering Information



FCM-1 Film Cutting Machine

It is mainly used for cutting film after sealing of strip kits such as Auto-Pure 20A and 20B, and can be used with semi automated plate sealer.



SealBio-2 Semi Automated Plate Sealer

Semi automated plate sealer can prevent sample loss and space cross-contamination caused by liquid evaporation and leakage during the detection or transportation of various microplates by heat sealing various special heat sealing films.

| Code | Description |
|-------------|---|
| AS-17030-00 | Auto-Pure 32A Nucleic acid purification system |
| AS-17040-00 | Auto-Pure 20A Nucleic acid purification system |
| AS-17050-00 | Auto-Pure 20B Nucleic acid purification system |
| AS-17150-00 | Auto-Pure 24D Nucleic acid purification system |
| AS-17060-00 | Auto-Pure 96 Nucleic acid purification system |
| AS-17070-00 | Auto-Pure 24 Nucleic acid purification system |
| AS-17080-00 | Auto-Pure 48 Nucleic acid purification system |
| AS-17110-00 | Auto-Pure 10B Nucleic acid purification system |
| AS-17130-00 | Auto-Pure 10BS Nucleic acid purification system |
| AS-17140-00 | Auto-Pure 16A Nucleic acid purification system |
| AS-17170-00 | Auto-Pure Mini Nucleic acid purification system |
| AS-17180-00 | Auto-Pure S32 nucleic acid purification system |
| AS-17031-01 | 96-Deepwell plate for Auto-Pure S32 / 32A / 16A |
| AS-17031-02 | Magnetic rod's tip for Auto-Pure S32 / 32A / 16A / Mini |
| AS-17041-01 | Tube strips for Auto-Pure 20A |
| AS-17041-02 | Magnetic rod's tip for Auto-Pure 20A / 20B / 10B / 10BS |
| AS-17051-01 | Tube strips for Auto-Pure 20B / 10B / 10BS |
| AS-17151-01 | 10 mL Tube strips for Auto-Pure 24D |
| AS-17151-02 | Magnetic rod's tip for Auto-Pure 24D |
| AS-17151-03 | 5 mL Tube strips for Auto-Pure 24D |
| AS-17151-04 | Tube strip holder for Auto-Pure 24D |
| AS-17061-01 | Magnetic tip comb for Auto-Pure 96 |
| AS-17061-02 | 96-Deepwell plate for Auto-Pure 96 / Mini |
| AS-17061-03 | 96-Elution plate for Auto-Pure 96 |
| AS-17071-01 | Magnetic tip comb for Auto-Pure 24 |
| AS-17071-02 | 24 x 14.6 mL plate for Auto-Pure 24 |
| AS-17081-01 | Magnetic tip comb for Auto-Pure 48 |
| AS-17081-02 | 48 Well plate for Auto-Pure 48 |
| AS-17171-01 | Single tank for Auto-Pure Mini |
| AS-17171-02 | Holder for Auto-Pure Mini single tank |
| AS-17171-03 | Code scanner for Auto-Pure Mini |
| AS-17171-04 | DC power supply (44800mAH) for Auto-Pure Mini |
| AS-17100-00 | FCM-1 Film cutting machine |
| AS-15020-00 | SealBio-2 Semi automated plate sealer |
| AS-15021-03 | SBA-3 Weighted sealing platen |
| AS-15021-04 | Adapter for Auto-pure20/10 series tube strips |
| AS-15021-01 | SBA-1 Standard plater adapter |
| AS-15021-02 | SBA-2 96 well PCR plater adapter |
| AS-15021-11 | Seal-150 Peelable clear seal |
| AS-15021-12 | Seal-200 Peelable seal for storage |
| AS-15021-13 | Seal-300 Pierce aluminum heating sealing film |

Relevant Products

Sample Homogenization



Bioprep Series Homogenizer

Homogenizer drives the grinding beads and the sample to move at high speed in the sample tube through three-dimensional high-speed vibration. It is mainly used for the crushing and homogenization of animal and plant tissues, bacteria, fungi and other samples. With proper procedures, DNA / RNA / proteins, etc. from samples can be extracted rapidly, stably and in batches, and the integrity of these biomolecules is preserved.

Sample Pre-Processing



iCEN-24R High Speed Centrifuge

iCEN-24R high speed refrigerated centrifuge can centrifuge up to 24×1.5 / 2.0 mL centrifuge tubes at the same time, the maximum speed is 15,000 rpm, and it only takes 15s to reach the maximum speed. Special air duct design to make the noise <60 db even working with the highest speed.



Thermo Shaker Incubator

Heating part modular design, compatible with different brand and dimension tube, also supply customize service. We have variety products with multiple function of heating, cooling and shaking to meet with the customer different requirements.

Sample Purification



Auto-Pure Series Nucleic Acid Purification System

Auto-Pure series products are automated system for purifying and extraction the nucleic acid by magnetic beads method. Several Auto-Pure products with open system for customer choosing to meet with customer's different requirements.

Sample Quality Control



Nano-300 Micro-Spectrophotometer

Full wavelength (200-800 nm) microspectrophotometer only require 2 μ L sample for accurate and quick determinate the concentration of nucleic acid. With the HD touch screen and operation system available to do the sample test and data save work without computer.



Fluo-200 Fluorometer

Fluo-200 is used for high sensitivity quantitative analysis of DNA, RNA and protein. Easy and humanized software, intuitive user interface and rapid test method greatly shorten the testing time.

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