

# Auto-Pure S32

## Nucleic Acid Purification System

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.



### 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 scanner, automatically identify program / sample and other information after scanning



### 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



### 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

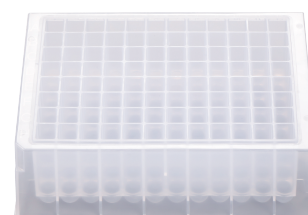


### Intelligent and Diverse Network System

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

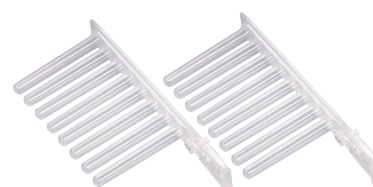
### Consumables

01



96-deepwell plate

02



Magnetic rod's tip

## Specification

Model	Auto-Pure S32
Principle	Magnetic bead method
Throughput	1 - 32
Plate type	96 deepwell plate
Process volume / $\mu\text{L}$	30 - 1000 $\mu\text{L}$
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	$\pm 0.5$ °C
Temperature uniformity	At 100 °C, $\pm 1$ °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	Reserved 4G network
Barcode scanning	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	29.5 kg

## Ordering Information

Code	Description
AS-17180-00	Auto-Pure S32 nucleic acid purification system
AS-17061-02	96-deepwell plate for Auto-Pure 96 / Mini / S32
AS-17031-02	Magnetic rod's tip for Auto-Pure S32 / 32A / 16A / Mini

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