

Auto-Pure96

Nucleic Acid Purification System



■ Production introduction

Auto-Pure96/Auto-Pure48/Auto-Pure24 Nucleic Acid Purification System adopts magnetic bead separation technology, using 96×2.2ml Deep well plate and 96 magnetic rod's tip (1,000ul reaction system). Combined with different kinds of magnetic bead nucleic acid extraction kits, it can operate 1-96 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 disinfection function which can do regular UV disinfection.

➤ Extension Internet

- » It can be controlled by phone app software to check the running status of the instrument in real time.
- » Thoroughly releasing manpower, remote monitoring.

➤ High quality and rapid extraction

- » Auto-Pure 96 can process 96×1ml samples simultaneously.
- » The maximum sample size is 1ml.
- » It can effectively avoid the influence of human factors on the experiment.

➤ Open software design, software can be edited freely

- » Room temperature + 5℃~120℃, 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.

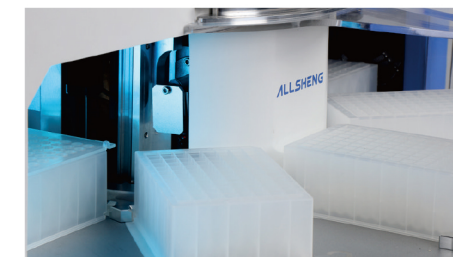
➤ Reliable structure and stable operation

- » Auto Pure96 adopts 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%)

■ Instrument features



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.

■ Parameters

Model	Auto-Pure96
Throughput	1~96
Process volume	50~1000μl
Consumables	96-deep well plate + 96 magnetic rod's tip
Working principle	Magnetic beads method
Purification accuracy	100 copy sample positive rate > 95%
Stability	CV<5%
Magnetic beads recycling rate	>95%
Lysis temp.	Ambient temperature ~120℃
Elution temp.	Ambient temperature ~120℃
Mixing	Mixing ways can be editable
Operation interface	7-inch touch screen, 3 shortcut buttons and mouse is available
Built-in protocol	8 groups of preset protocols, 100 groups of protocols can be stored
Protocol management	New, Edit, Delete, Save as
Expansion interface	Standard USB, ethernet port and WIFI are available
Lighting	Yes
Pollution control	UV light
Exhaust way	By Fan
Data storage	Available, with built-in SD card
Max. input power	300W
Dimension	56cm×62cm×50cm
Weight	54kg