

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 μ L reaction system); 3 mL tube strips, 48 magnetic rod's tip (3,000 μ L reaction system); 10 mL tube strips, 24 magnetic rod's tip (10,000 μ L 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

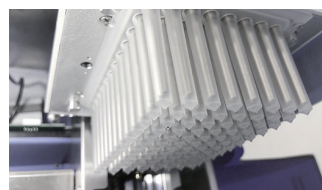
- RT. + 5 $^{\circ}$ C~120 $^{\circ}$ C, accurate temperature control.
- Single machine can do program editing.
- The software has complete functions and is suitable for all kinds of magnetic bead reagents.
- Diverse binding and magnetic absorption modes, which is conducive to reagent optimization.



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		