

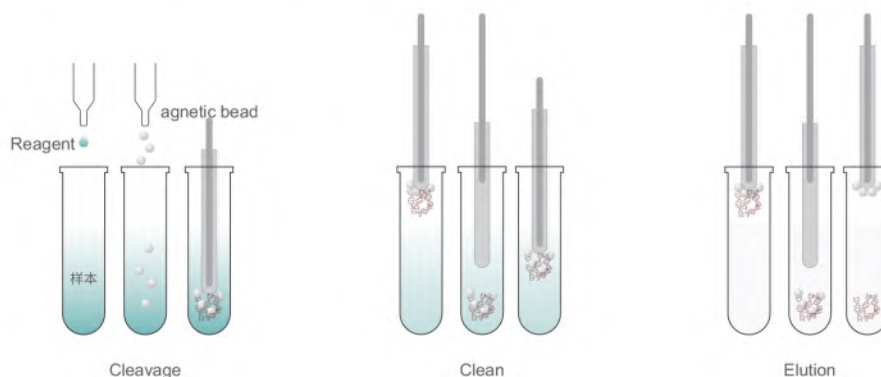
# NP-2032 Auto Nucleic Acid Purification System

NP-2032 is a fully automatic nucleic acid extraction instrument launched by Ningbo Scientz based on the needs of clinical large-scale genetic analysis. This machine uses magnetic bead separation technology, according to the selection of the appropriate kit to separate and purify nucleic acids in multi-source samples (such as blood, animal and plant tissues, cells). The entire instrument has stable performance and low noise, and the operation is automated, fast and simple. It can simultaneously purify 32 samples. A powerful "assistant" in clinical genetic testing and molecular biology laboratory research



## WORKING PRINCIPLE

Use the magnetic rod on the magnetic rod holder in the machine to move the magnetic beads with adsorbed nucleic acids to different reagent tanks, and then use the magnetic rod sleeve placed on the outer layer of the magnetic rod to repeatedly move the liquid up and down to mix it evenly. Lysis, nucleic acid adsorption, washing and elution, to obtain the purest nucleic acid.



## FEATURES

- Fast and efficient

Purified nucleic acid purity can meet the needs of various downstream experiments

Nucleic acid recovery rate > 95%, magnetic bead recovery rate > 95%

Total extraction of 32 samples can be completed in about 20-40min (depending on reagents)

- Safe and reliable

Fully automatic operation with disposable consumables to reduce personnel contact

Built-in regular UV disinfection, efficient cleaning

Exhaust fan to effectively avoid aerosol pollution

Prevent door opening alarm and automatically stop the movement structure during operation to ensure safe operation

- Strong versatility

Multi-speed and multi-module for selection, and can store 100 programs to meet different customer requirements

Custom lysis and elution temperature

Suitable for different samples, such as animal and plant tissues, serum, plasma, etc.

- Flexible control

Large screen full color display, touch operation, easy to use

Customizable shortcut program, one-click startup

Humanized observation window and display screen design, easy to operate

## TECHNICAL PARAMETERS

Model	NP-2032
Sample throughput	1 ~ 32
Processing volume	30-1000ul
Magnetic bead recovery rate	> 95%
Number of magnets	32
Purification sensitivity	Positive detection rate of 100 copies sample > 95%
Purify the difference between pores	CV <3%
Consumables	96 deep well plate + magnetic rod sleeve
Cracking temperature	Room temperature to 120 °C
Elution temperature	Room temperature to 120 °C
Concussion mixing	
Operation interface	7-inch touch screen, 8 shortcut program files
Internal program Preset	8 programs, can store 100 programs
Program management	New, edit, delete, save as, etc.
Instrument Expansion Interface Standard	USB
Lighting System	Yes
Disinfection	UV disinfection
Exhaust method	Fan
Data storage can be stored	built-in SD card
Size	422x422x470 (mm)