



# **Nucleic Acid Purification System LNAP-A50**

## DESCRIPTION :

Nucleic Acid Purification System LNAP-A50 is a benchtop unit comes with sample quantity of 96 and process volume of 50 to 1000  $\mu$ l, offers lysis temperature ranges from ambient temperature to 120°C and elution temperature ranges from ambient temperature to 120°C. Adopted with magnetic bead separation technology, using 96×2.2ml deep well plate and 96 magnetic rod's tip. Built-in lighting LED lights to observe running status of the instrument in real time, 7 inch touch screen display, exhaust fan and intelligent operation with power protection and self-inspection function. It is suitable to use for large sample size inspection unit and to extract DNA, RNA in 30 to 60 minutes.

## FEATURES :

- 7 inch color touch screen display for ease of monitoring various parameters
- Built in with drip proof plate and automatic identification 8-plate position design
- Provides program editing, power protection and self-inspection function
- Adopts lead screw drive, diverse binding and magnetic absorption modes
- Automatic loading and unloading structure of magnetic rod tip comb
- Disposable consumables can eliminate the cross contamination between holes and batches
- To quick stop front cover is opened, convenient for observation and reagent optimization
- Space saving design with maximum sample size of 10 ml

## APPLICATION :

Nucleic Acid Purification System is widely used in extraction of DNA, RNA and nucleic acid. It is suitable to use in life sciences including biotechnology, microbiology, immunology, cell and molecular biology.

## Nucleic Acid Purification System LNAP-A50

### SPECIFICATION :

Model. No	LNAP- A50
Maximum Processing Volume	1ml
Sample Quantity	96
Process Volume	50 to 1000 $\mu$ l
Consumable	96 Deep well plate and 96 magnetic rod's tip
Throughput	1 to 96
Working Principle	Magnetic beads method
Purification Accuracy	100 copy sample positive rate > 95 %
Stability	CV < 5 %
Magnetic Beads Recycling Rate	> 95 %
Lysis Temperature	Ambient temperature to 120°C
Elution Temperature	Ambient temperature to 120°C
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 pre- set 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
Exhaust Way	By fan
Data Storage	Available with built-in SD card
Maximum Input Power	300 W
Dimension	560×620×500 mm
Weight	54 kg

## OPTIONAL ACCESSORIES :

Sr. No	Name of Accessory
1	Magnetic Tip Corr
2	Deep Well Plat
3	Elution Plat