

# NAP - 3096

## Automated Nucleic Acid Purification System



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**Analytical Technologies Limited**

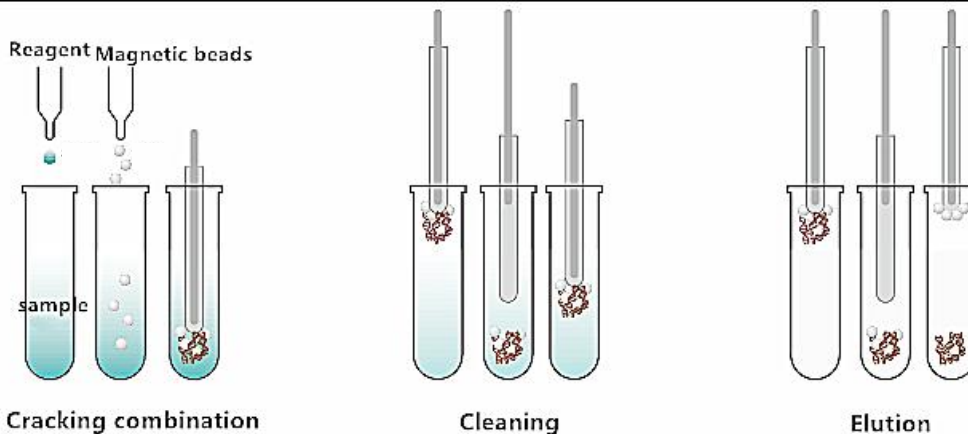
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- NAP-3096 is a fully-automatic nucleic acid extractor with a comprehensive upgrade of throughput and performance on the basis of NAP-3032. It can process up to 96 samples at a time, while meeting the processing requirements of large-volume samples. Under the conditions of supporting different kinds of kits, nucleic acids can be purified from multi-source samples such as whole blood, viruses, tissues, plants, bacteria and cultured cells. Utilizing the advantages of high-throughput processing modules and fast high-quality kits, it can provide customers with efficient, automated and high-quality nucleic acid purification processing solutions. It is the ideal equipment for large-scale clinical genetic analysis needs.

### ▶▶ Working Principle:

Use the magnetic rod on the magnetic rod rack in the machine to move the magnetic beads that have adsorbed nucleic acid to different reagent tanks, and then use the magnetic rod sleeve sheathed on the outer layer of the magnetic rod to repeatedly move up and down to stir the liquid, mix evenly, and pass through the cells. Lysis, nucleic acid adsorption, washing and elution, and finally get the purest nucleic acid.



### ▶▶ Features:

#### Fast and efficient

- Purified nucleic acid purity can meet the needs of various downstream experiments
- Nucleic acid recovery rate > 99%, magnetic bead recovery rate > 99%
- A total of about 20-40min can complete the extraction of 32 samples (depending on the reagent)

### **Strong versatility**

- Multiple speeds and multiple modules for selection, and can store 100 programs to meet different customer requirements
- Customized lysis and elution temperature
- Suitable for different samples, such as animal and plant tissues, serum, plasma, etc.

### **Safe and reliable**

- Fully automatic operation with disposable consumables to reduce personnel contact
- Built-in timed UV disinfection, efficient cleaning
- Exhaust fan, effectively avoid aerosol pollution
- Anti-opening alarm and automatic stop motion structure during operation to ensure safe operation

### **Flexible control**

- Large-screen full-color display, touch operation, easy to use
- Customizable shortcut program, one key to start
- Humanized observation window and display design, easy to operate

## ▶▶ **Configuration list::**

- Automatic nucleic acid extractor 1 PCS;
- 96 deep-well plate magnetic racks and matching magnetic bar 1 set ;
- 96 flux heating and cooling module 1PCS;
- Packing list;
- Power cord;
- 10A fuse
- Instructions;
- Product quality inspection certificate.

**►► Parameters:**

<b>Model</b>	<b>NAP-3096</b>
Principle	Magnetic rod method
Sample throughput	96/24
Processing time	20-40min
Processing volume	20-5000ul
Permanent magnet	3000-6000GS
Magnetic bead recovery rate	> 99%
Number of magnets	96*2.2ml; 24*11ml
Purification sensitivity Positive detection rate of 100 copies sample	> 99%
Purify the difference between pores	CV <3%
Consumables	96 deep well plate + magnetic rod sleeve
Temperature range	4-115°C
Concussion mixing	
Operation interface	7-inch touch screen, 12 shortcut program files
Internal program Preset	12 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	76cm*48cm*57cm
Weight	59kg
Power supply	AC200-240V, 50/60HZ

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**HPLC Servicing** :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

**Trainings** :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

**AMC's/CMC** :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

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**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## About Analytical Technologies

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## Our Products & Technologies





## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



# Analytical Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

## Reach us @



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