

## SPECIFICATION

| Product Name           | Nucleic Acid Purification System                        |
|------------------------|---|
| Model No.              | BGNA-32P  |
| Throughput             | 1-32  |
| Process Volume         | 20-1000 $\mu$ l   |
| Consumable             | 96 deepwell Plate + Magnetic rod' s tip                 |
| Collection Efficiency  | $\geq$ 98%  |
| Stability              | CV $\leq$ 3%  |
| Operation Temp. Range  | 10 $^{\circ}$ C-40 $^{\circ}$ C                         |
| Humidity Range         | 10%-90%   |
| Heating Temp. Range    | +5 $^{\circ}$ C-125 $^{\circ}$ C                        |
| Oscillatory mixed mode | Adjustable  |
| Pollution Control      | UV light  |
| Lighting               | Yes   |
| safety protection      | Auto data protection                                    |
| Reagent type           | Magnetic bead reagent                                   |
| Display                | 10.1 touch screen, Android operation system             |
| Communication          | LAN, USB, Wi-Fi   |
| Dimension              | 430 $\times$ 390 $\times$ 505 (L $\times$ W $\times$ H) |
| Weight                 | 30KG  |
| Power Supply           | AC100-240V 50Hz/60Hz 450W                               |



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# BIO-GENER

## BGNA-32P

### Nucleic Acid Purification System



Android System



High Efficiency



U Disk Access



Brake Function



## BGNA-32P NUCLEIC ACID PURIFICATION SYSTEM

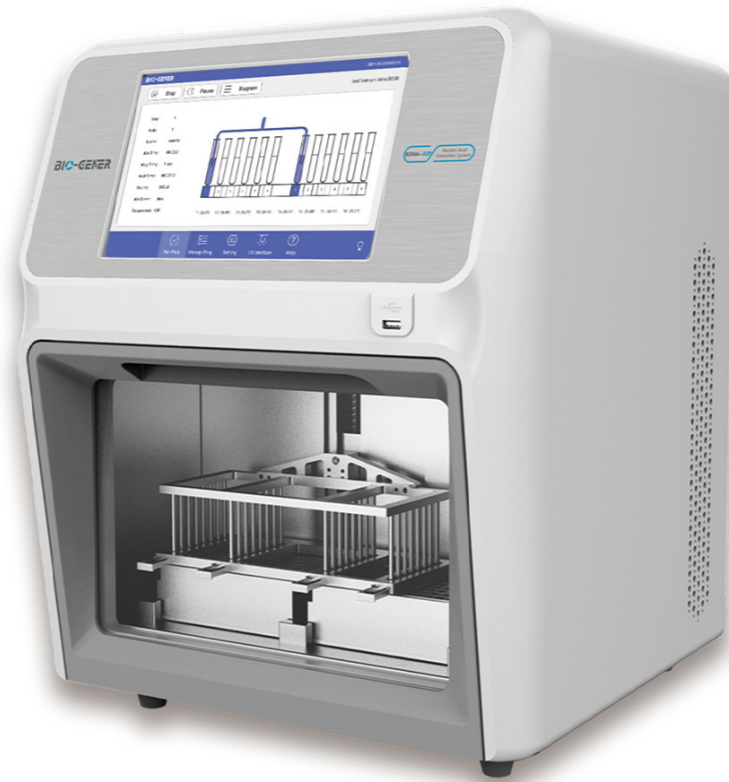
Rapid experiment

Touch screen control

real-time observation

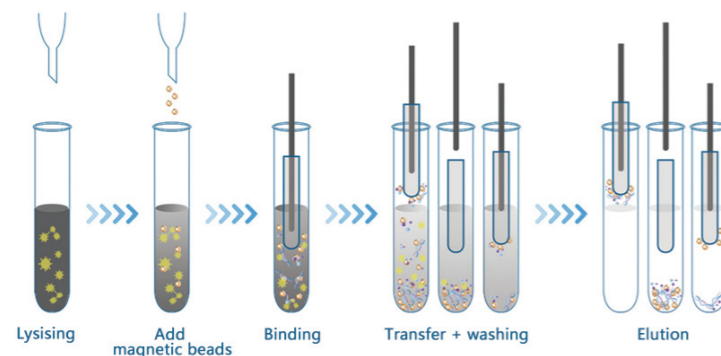
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This product is an automated instrument that can provide safe and efficient nucleic acid extraction and purification for biological laboratories and clinical medicine departments. This product can extract nucleic acids from various samples such as animal and plant tissues, viruses, fungi, bacteria, plasmids, whole blood or cultured cells. It is equipped with multiple safety functions such as door opening protection, UV disinfection, and UV protection from the observation window to ensure the experimental results are safer and more reliable.



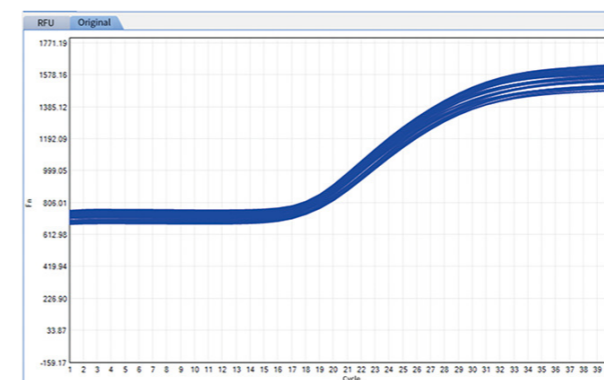
### Principle of Nucleic Acid purification System

The instrument uses the magnetic bead method for nucleic acid extraction. After the lysis solution lyses the cell tissue sample, the nucleic acid molecules freed from the sample are specifically adsorbed by the magnetic beads, and impurities such as proteins are not adsorbed and remain in the solution. The magnetic beads carrying nucleic acid are adsorbed by a magnetic rod and moved to different reagent tanks. Through repeated rapid stirring and mixing of the liquid, through the steps of cell lysis, nucleic acid adsorption, washing and elution, pure nucleic acid is finally obtained.

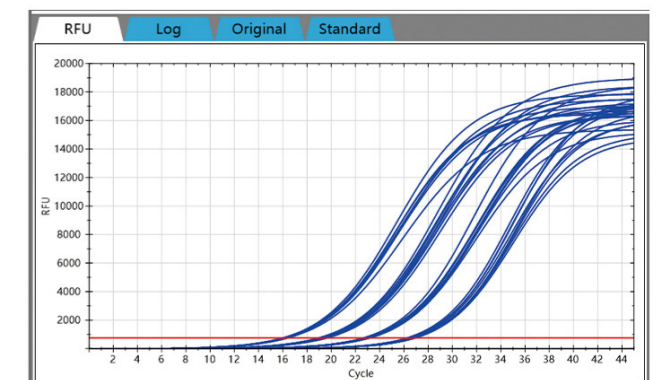


- Using high-precision screw to realize the transmission structure, the extraction efficiency is fast, and the nucleic acid yield is high
- Simple and generous appearance, bright and spacious observation window, working conditions are clearly visible
- Use UV light for disinfection to reduce cross-infection and aerosol contamination of samples
- Android operating system, matching 10.1-inch capacitive touch screen, simple and smooth operation
- Real-time display of program progress and remaining time
- Scalable Ethernet remote control
- Adjustable heating mode and vibration gear to meet different experimental needs
- Automatic power-off protection, prompts to continue unfinished program operation after power is restored, to ensure safe operation of the entire extraction/purification process
- Equipped with door opening protection function to prevent misoperation
- Support U disk import/export program, can connect keyboard and mouse  
Support U disk and LAN update software
- Fast extraction 10-50 minutes/time (depending on different reagents)

### Example of DNA/RNA extraction effect



Repeatability



Linear