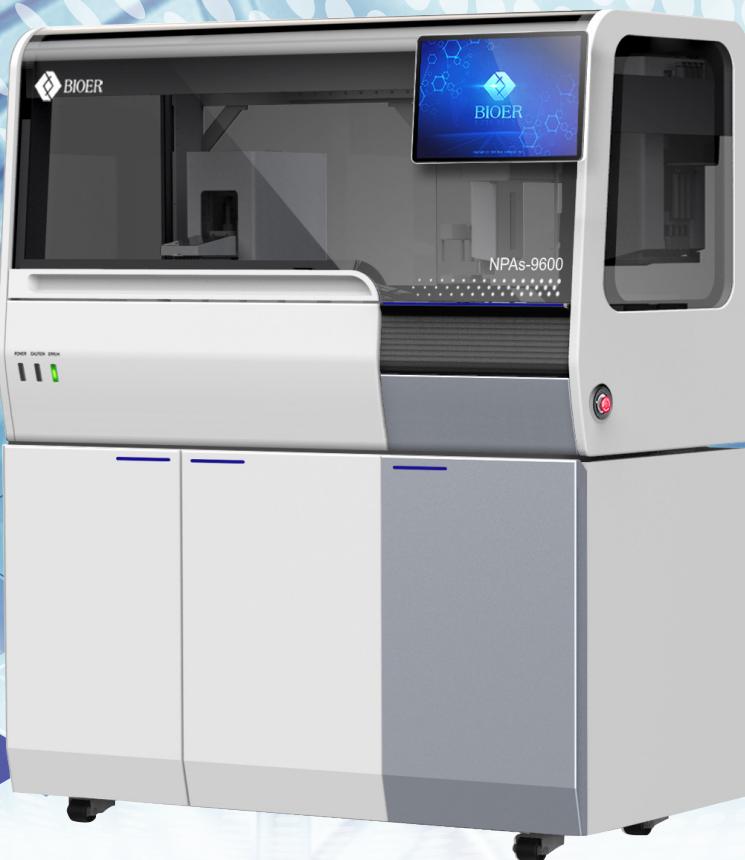




Automated Nucleic Acid Purification System

NPAs-9600

Nucleic Acid Purification &
PCR System Set up



High Throughput

Original sample tube directly on the machine, bar code automatic scanning, processing 96 samples at one time.

High Speed

Combined with Bioer rapid nucleic acid purification reagent, 96 samples can be completed within 30 minutes.

High Accuracy

Using high precision pipetting arm, four sampling channels and one gripper, liquid level deep measurement function, improve the sensitivity of detection results.

Anti-Pollution

With droplet capture technology to prevent cross-contamination between samples. The workstation is equipped with UV lamp disinfection, air filtration, etc., to ensure the safe operation of the experiment.

Humanized Design

One-button LCD touch screen, independently designed program interface, to meet all kinds of experimental needs, free-up technicians.

Product Introduction

Automated Nucleic Acid Purification System (NPAs-9600), developed by Bioer Technology, integrates the functions of sample loading, identification of sample information, nucleic acid extraction, PCR reaction system set up and so on. The workstation adopts the high-purity nucleic acid extraction system and the high-precision liquid pipet and liquid separation system, which can efficiently complete the nucleic acid purification and PCR system set up, effectively reduce the human operation error, and realize the automation of the whole process from the sample loading to PCR system set up. It can quickly, efficiently complete the processing of nucleic acid purification to ensure all kinds of downstream experiments are carried out normally.

Product Parameters

Product Name	Automated Nucleic Acid Purification System	
Model	NPAs-9600	NPAs-9620
Pipette guns	4	2
Sample size	96	
Range of samples	20~1000uL	
Target Nucleic Acid Extraction Rate	Nucleic acid extraction rate of the whole blood sample $\geq 3.00 \mu\text{g/ml}$	
Module Operating Temperature Range	Room temperature +5°C ~ 100°C	
Heating time	Time required to raise the temperature from 30°C to 85°C ≤ 1 minute and 30 seconds	
Cool-down time	Time required to reduce the temperature from 85°C to 30°C ≤ 3 minutes	
Temperature indication error	$\leq \pm 3^\circ\text{C}$	
Temperature uniformity	$\leq 3^\circ\text{C}$	
Temperature stability	$\leq \pm 0.3^\circ\text{C}$	
Liquid Sampling Volume Indication Error	$5\mu\text{L} \pm 5\%$ (50uL tips) $10\mu\text{L} \pm 2.5\%$ (50uL tip) $100\mu\text{L} \pm 2.0\%$ (1mL tip)	
Liquid Sampling Volume Repeatability	$5\mu\text{L}: \leq 4\%$ (50uL tip) $10\mu\text{L}: \leq 1.5\%$ (50uL tip) $100\mu\text{L}: \leq 0.75\%$ (1mL tip)	
Input power supply	(220~240) V, 50Hz, 1500VA	
Dimensions	1400mm (L) \times 700mm (D) \times 1980mm (H)	

*Data tested at standard laboratories.



**Bioer
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