

H9600

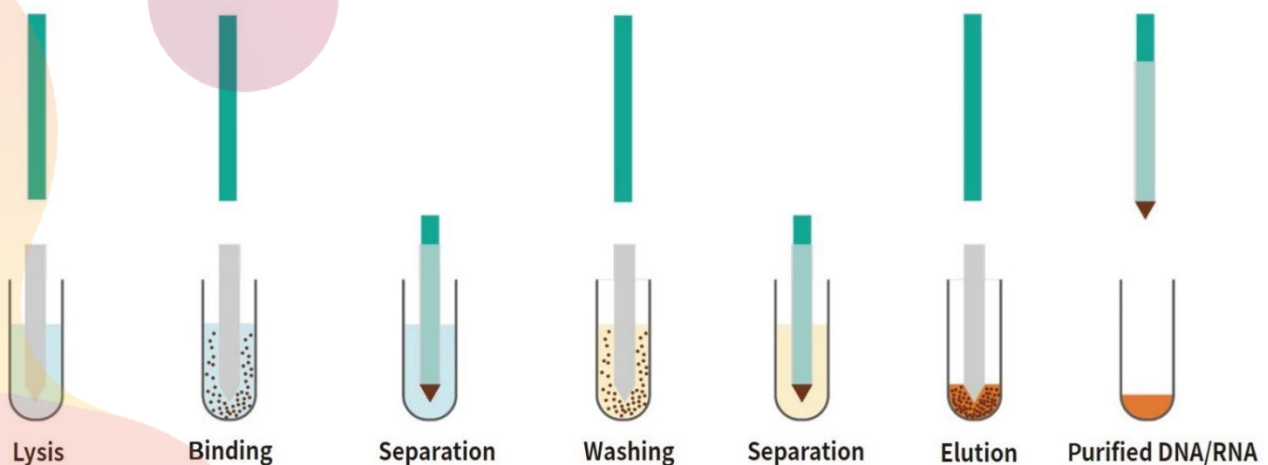
AUTOMATED NUCLEIC ACID EXTRACTION SYSTEM



H9600 is a complete nucleic acid extraction solution that can extract nucleic acids from various biological samples such as plant tissues, animal tissues, blood, fungi, bacteria, and cultured cells.

With its intelligent pre-loaded extraction programs and compatible nucleic acid extraction reagent kits and consumables based on nanomagnetic beads, this system provides busy laboratories with efficient, automated, and high-quality nucleic acid extraction solutions for a wide range of applications, including downstream genotyping, library sequencing, and gene chip analysis.

After lysing the biological sample with lysis buffer, the nucleic acids in the lysate are adsorbed onto the surface of nanomagnetic beads. The magnetic beads carrying nucleic acids are then transferred to the wash solution using a magnetic rod. After multiple washing steps, the beads are transferred to the elution buffer, resulting in the separation of nucleic acids from the nanomagnetic beads, and obtaining DNA products.



Fast and Efficient

Capable of processing 96 samples in one run, completing the extraction process within 25-30 minutes, maximising extraction efficiency.

Easy Operation

Visualized touch-screen operation, pre-loaded extraction programs, precise control, simple operation, ready-to-use out of the box.

Superior Extraction Quality

Reduces manual errors associated with extraction, ensuring nucleic acid concentration, purity, and integrity to meet downstream requirements such as enzymatic digestion, PCR, genotyping, and library construction.



Modular Linear Motion Design

Utilizes modular linear motion design for convenient handling of consumables. During operation, the magnet motor remains stationary, prolonging the lifespan of the motor and slide rails, ensuring stability.

Contamination Control

Built-in UV lamp and external HEPA filter with independent airflow channel effectively prevent sample contamination.

Reminder Function

Equipped with consumables reminder function to protect the magnetic rod and prevent contamination caused by forgetting to insert the magnetic sleeve.

Sample Protection

Features self-check, silent operation, over-temperature protection, power failure protection, and other functions. After abnormal power failure, the device can resume the previous experiment without the need for sample re-extraction, reducing sample loss during instrument use.

Platform Flexibility

6 working plate positions, editable extraction programs, compatible with various magnetic bead-based nucleic acid extraction protocols, high versatility.

Processing Capacity	1 - 96 samples
Working volume range	20 μ L - 1000 μ L
Magnetic Bead Recovery Rate	Cv < 3%
Temperature Module Control	Yes
Heating Method	Ceramic heating module
Mixing Mode	Multiple speed oscillation mixing mode
Operating Interface	Integrated touchscreen & software
Illumination Lamp	Built-in LED lamp with screen controlled on/off switch
UV Lamp	Built-in UV lamp with screen-controlled on/off switch
Dimensions	870 mm; 450 mm; 500 mm (L x W x H)
New Weight	46 KG
Operating Voltage	110 - 230 V