

## H384

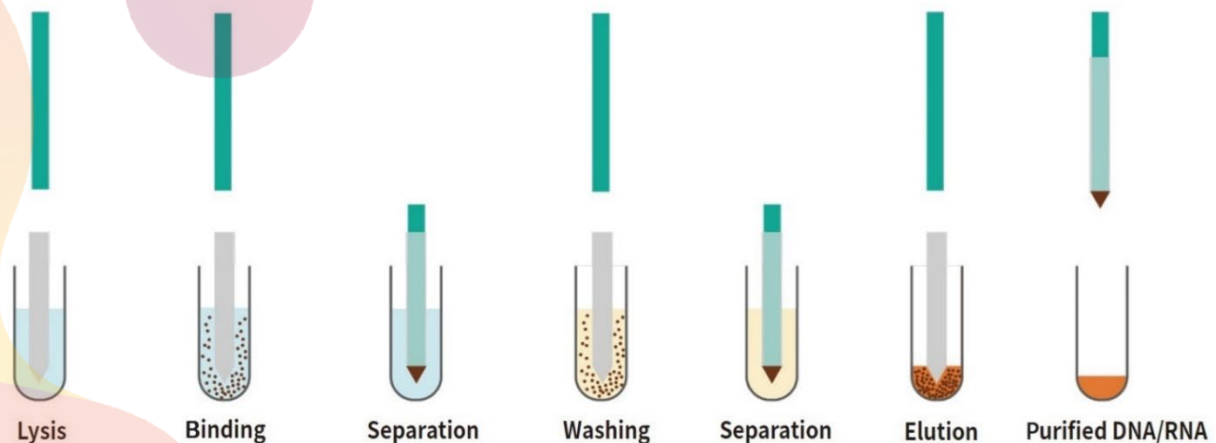
# AUTOMATED 4-PLATE NUCLEIC ACID EXTRACTION SYSTEM



The H384 offers a complete nucleic acid extraction solution capable of processing a wide variety of biological samples, including plant tissues, animal tissues, blood, fungi, bacteria, and cultured cells. It processes up to four 96-well plates simultaneously, providing high-throughput, efficient extraction.

With the H384, you can flexibly run 1,2,3 or 4 plates, completing the extraction process in just 25-30 minutes. This system is designed to streamline your workflow, utilizing pre-loaded extraction protocols and compatible reagent kits based on nanomagnetic technology with a unique, liquid-free transfer system.

After lysing the biological sample with a lysis buffer, nucleic acids are adsorbed onto the surface of nanomagnetic beads. The magnetic rod transfers the beads through multiple wash steps, ensuring purification, and finally to the elution buffer, where nucleic acids are released yielding high-quality DNA suitable for high-purity applications including genotyping, library sequencing, and gene chip analysis.



### Plug-and-Play Design

H384 requires no air or water hook-ups, making it easy to set up and use immediately.

### User-Friendly Operation

A visualized touch-screen interface, pre-loaded extraction protocols, and intuitive controls offer simple, ready-to-use operation straight out of the box.

### Superior Extraction Quality

Automating the extraction process reduces manual errors, ensuring high nucleic acid concentration, purity, and integrity to meet downstream requirements.

### Compact, Durable Design

The simplified two-axis design reduces wear and tear, while the compact footprint allows up to 3 units to be safely stacked.

### Contamination Control

Built-in UV lamp and external HEPA filter with an independent airflow channel effectively sterilize the system, preventing sample contamination.

### Sample Protection

Self-check, silent operation, plus over-temperature & power failure protection. In case of a power failure, H384 resumes the previous experiment without the need for sample re-extraction, reducing the risk of sample loss.

### Platform Flexibility

Six working plate positions, editable extraction programs, and compatibility with various magnetic bead-based nucleic acid extraction protocols, offering high versatility.



Processing Capacity	1 - 384 samples (4 x 96-well plates)
Working volume range	20 $\mu$ L - 1000 $\mu$ L
Magnetic Bead Recovery Rate	> 98%
Temperature Module Control	Yes
Heating Method	Ceramic heating module
Mixing Mode	Multiple speed oscillation mixing
Operating Interface	Integrated touchscreen & software
UV Lamp	Built-in UV lamp and negative pressure filtration
Dimensions	1200 mm; 640 mm; 800 mm (L x W x H)
Operating Voltage	110 - 230 V