

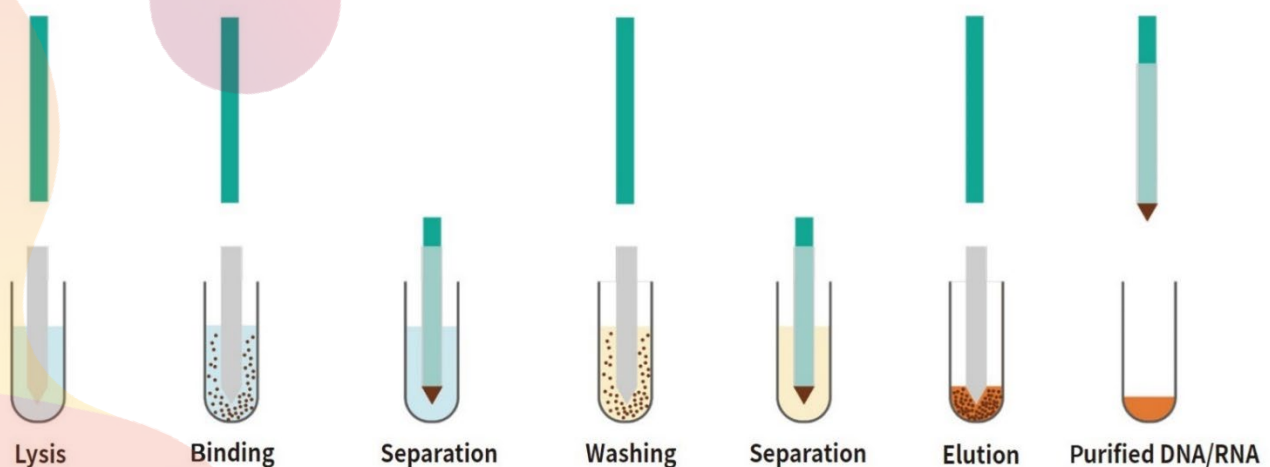
MagC 9600 AUTOMATED NUCLEIC ACID EXTRACTION SYSTEM



MagC 9600 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 20 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.

Contamination Control

11-stage HEPA high-efficiency air filtration system combined with a UV sterilisation system to minimise sample contamination.

Sample Protection

Features self-check, silent operation, over-temperature protection, power failure protection, and other functions.

Platform Flexibility

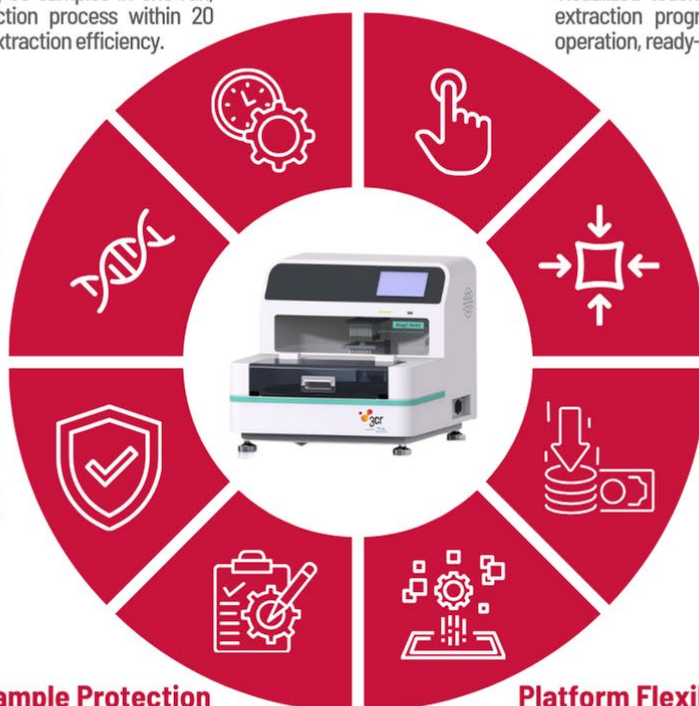
8 SBS-standard deep-well plate positions, editable extraction programs, compatible with various magnetic bead-based nucleic acid extraction protocols, high versatility.

Compact, Durable Design

The simplified two-axis design reduces wear and tear, with a compact footprint.

Low Running Costs

Only tip combs and plates are required, minimizing plasticware expenses.



Processing Capacity	1 – 96 samples
Working volume range	20 μ L – 1000 μ L
Magnetic Bead Recovery Rate	> 98%
Temperature Module Control	Yes, range ambient – 105°C
Hybrid Mode	Multi-mode with adjustable speed; amplitude automatically adapts to liquid volume
Mixing Mode	Multiple speed oscillation mixing mode
Operating Interface	Integrated touchscreen & software
Contamination Control	11-stage HEPA high-efficiency air filtration system
UV Lamp	Built-in UV lamp with screen-controlled on/off switch
Dimensions	600mm; 670 mm; 560 mm (W x D x H)
New Weight	66.8 KG
Operating Voltage	110 – 240 V~; 50/60 Hz