TIAN LONG

PANA9600X
Automatic Nucleic Acid Workstation

All innovation for boosting your lab efficiency with simplified workflow

PANA 9600X automatic nucleic acid workstation is designed based on magnetic beads method and rotary nucleic acid extraction technology. It integrates the workflow of automatic capping/decapping for sample tubes, sample information scanning, sample loading, nucleic acid extraction, and PCR system setup, which makes your experiment easy to start and greatly saves time for professionals. With compatible nucleic acid extraction kits, the nucleic acids needed can be extracted quickly and efficiently from various sample types including whole blood, serum, plasma and swab scrub solution for specific downstream applications.

1 Automated Capping/Decapping for Sample Tubes

2 Sample Information Scanning

3 Sample Loading

4 Nucleic Acid Extraction

5 PCR System Set Up

PRINCIPLE

Lysis — Wash — Elution

FEATURES

Highly automated workflow and rapid extraction
With one-key operation, automatic capping/decapping for sample tubes, sample information scanning, sample loading, nucleic acid extraction, and PCR system setup for 96 samples can be finished within 40-80 min(relying on the reagent)

More reliable results you can depend on
With precise sample loading, accurate temperature ramp control, and precise liquid transfer design, consistent and precise results can be ensured for each of your assays

Smart information technology
Sample information scan; reagent information identification;visualized consumable recognition; easy connection with LIS（laboratory information system）

Highly flexible for your needs
Compatible with various sample types and extraction kits; 4 PCR systems can be set up at the same time

Minimized contamination measures
With rotary mixing for nucleic acid extraction, HEPA filter, smart drop capture, strict zoning, and UV disinfection technology, cross-contamination can be reduced to ensure accurate results

SPECIFICATIONS

Model	PANA9600X
Sample Capacity	1-96
Technical Principles	Magnetic beads method; Rotary nucleic acid extraction technology
Processing Capacity	Nucleic acid extraction of 96 samples per run; 4 different PCR system can be set up
Sample Types	Plasma, serum, whole blood, swab scrub solution, etc.
Sample Loading Channels	4
Pipetting Range	1μL-1000μL
Pipetting Performance	Below 15 μL: accuracy: A≤3.0%, repeatability: CV≤2.0%; 15 μL to 50 μL: accuracy: A≤1.5%, repeatability: CV≤1.5%; Above 50 μL: accuracy: A≤1.2%,repeatability: CV≤1.0%.
Liquid Level Detection	CapSense/Gas pressure sensor
Sample Tubes	Compatible with standard blood collection tube, various thread sampling tube, etc.
Temperature Control	Lysis and elution, temperature flexible to control between 35℃ and 120℃
Extraction Consumables	96 deep-well plates, 6 strip tubes
Information Tool	Barcode scanning for reagent identification; visualized consumable recognition
PCR reagent chamber	Avoid light design; power-on automatic refrigeration（4℃ -8℃）
PCR Consumables	Compatible with 0.1mL, 0.2mL 8 strip tube, and 96-well plates
Temperature Accuracy	≤2.0℃
Temperature Uniformity	±1.2℃
Minimized Contamination	Anti-droplet: air tightness and anti-droplet design and an external droplet design; Strict zoning; Directional exhaust; HEPA filter; UV disinfection
Information Technology	Scanning the bar codes of multiple samples one by one while sample holder is loaded Information connection of Sample tube-Deep well plate-PCR tube Easy connection with LIS（laboratory information system）
Packaging Information	1370mm(L)*810mm(W)*960mm(H); 235kg(net); 12-inch touch screen
Interfaces	Ethernet, USB
Power Supply	AC 100-240V, 50-60Hz

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