Bring Technology to Life

TIAN LONG

PANA9600S

Automatic Nucleic Acid Workstation

Faster and cleaner, leading the new era of rotary nucleic acid extraction

PANA 9600S automatic nucleic acid workstation is designed according to the principles of magnetic beads method and rotary nucleic acid extraction technology. This workstation integrates the workflow of 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 and plasma, swab and urine for specific downstream applications.

FEATURES

One-key operation for modularized experiment flow

With one-key operation, automated sample information scanning, sample loading, nucleic acid extraction, and PCR system setup for 96 samples of novel coronavirus can be finished within 50min

Minimized contamination measures

With rotary nucleic acid extraction, smart drop capture, strict zoning, air filtration, and UV disinfection technology, cross-contamination can be reduced to ensure accurate results

High precision and reliable results

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

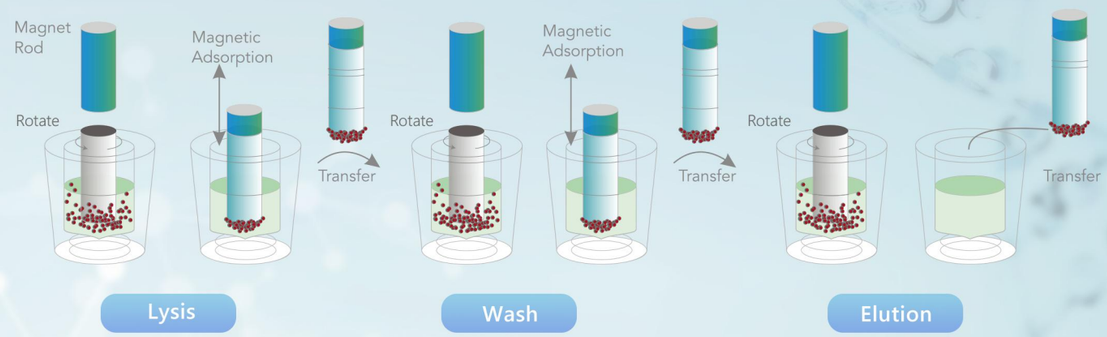
Highly flexible for your needs

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

Automated workflow and hands-free operation

Automated barcode scanning for reagent identification, sample loading, nucleic acid extraction, PCR system setup; visualized consumable recognition; easy connection with LIS (laboratory information system)

PRINCIPLE



SPECIFICATIONS

Model	PANA9600S
Sample Capacity	1-96
Technical Principles	Magnetic beads method; Rotary nucleic acid extraction technology
Processing Capacity	Information scanning and nucleic acid extraction of 96 samples per run; 4 different PCR system can be set up
Sample Types	Plasma, serum, whole blood, swab, and urine, etc.
Sample Loading Channels	4
Pipetting Performance	Below 15 μL: accuracy: A≤2.0%, repeatability: CV≤3.0%; 15 μL to 50 μL: accuracy: A≤1.5%, repeatability: CV≤1.5%; Above 50 μL: accuracy: A≤1.0%, repeatability: CV≤1.2%
Liquid Level Detection	CapSense/Gas pressure sensor
Sample Tubes	Compatible with all types of blood collection tube, 1.5mL and 2.0mL centrifugal tubes, freezing tubes, and sample loading cups, etc.
Temperature Control	Lysis and elution, temperature flexible to control between 35℃ and 120℃
Information Tool	Barcode scanning for reagent identification; visualized consumable recognition
PCR reagent chamber	Avoid light design; power-on automatic refrigeration (4℃ ~ 15℃)
PCR consumables	Compatible with 0.1mL, 0.2mL 8 strip tube, and 96-well plates
Minimized Contamination	Independent closed extraction area,top directional exhaust creates an internal negative pressure system. Sampling device with air tightness and anti-dropping design External droplet catching plate Sterilizing device in experiment cabin and extraction cabin Customized function: directional ventilation system for the nucleic acid extraction area
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)
Device General Information	1370mm(L)*810mm(W)*890mm(H); 220kg(net); 12.1-inch touch screen

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