

Bring *Technology to Life!*



PANA9600S

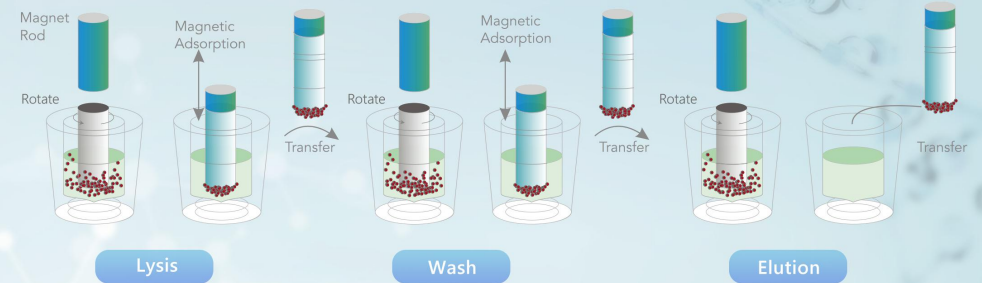
Automatic Nucleic Acid Workstation

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.



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 μ L: accuracy: $A \leq 2.0\%$, repeatability: $CV \leq 3.0\%$; 15 μ L to 50 μ L: accuracy: $A \leq 1.5\%$, repeatability: $CV \leq 1.5\%$; Above 50 μ L: accuracy: $A \leq 1.0\%$, repeatability: $CV \leq 1.0\%$. |
| 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°C and 120°C |
| Information Tool | Barcode scanning for reagent identification; visualized consumable recognition |
| PCR reagent chamber | Avoid light design; power-on automatic refrigeration (4°C ~ 15°C) |
| 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) |
| Packaging Information | 1370mm(L)*810mm(W)*890mm(H); 220kg(net); 12-inch touch screen, multi-module real-time status monitor |

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)

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