

# Fully Automatic Nucleic Acid Analyzer

## Defines the Next Generation Molecular POCT



### Fully automated and integrated



Integrating nucleic acid extraction and purification, fluorescence PCR amplification detection, and result interpretation into one system.

### Fully enclosed with "ZERO" pollution



The fully enclosed design with no pollution and high safety ensures that sample addition does not require opening the cover, effectively reducing the risk of biological safety issues.

### Multiple detection and high performance



The combination of eight-color fluorescence and melting curve analysis enables a single test to detect up to 64 targets, achieving "mini-multi" and "super-multi" detection capabilities.

### Magnetic beads and ultrasonic extraction



The sample can be subjected to ultrasonic treatment and is compatible with various sample types such as oropharyngeal swabs, saliva, blood, and vaginal swabs.

### Sample input, result output



Simple operation, easy to master; just one step of sample addition, the cartridge is automatically operated upon machine loading, fast and efficient.

### Machine parameter



Size 222mm(L) x 311mm(W) x 398mm(H)

Net weight 18 Kg

Detection throughput 1, support multi-machine online connection

Detection target Up to 64 targets

Nucleic acid extraction method Magnetic bead-based

Temperature control accuracy  $\pm 0.1^{\circ}\text{C}$

Temperature control precision  $\pm 0.2^{\circ}\text{C}$

Temperature control range 4-99 $^{\circ}\text{C}$

Maximum temperature rise and drop speed of PCR 9 $^{\circ}\text{C}/\text{s}$

Fluorescence channels ATTO425, FAM, VIC, ROX, Cy5, ATTO 700, FAM-ROX, FAM-Cy5

### Detection process

① Sample preparation



② Quick sample addition



③ Scan the code and start running



④ Automatic detection



⑤ Upload results



**Fastest in 25 minutes**

## Usage scenarios



Respiratory Department / Infection Department / Pediatrics Department / Fever and  
Emergency Department / Laboratory Department / Clinical Laboratory, etc.

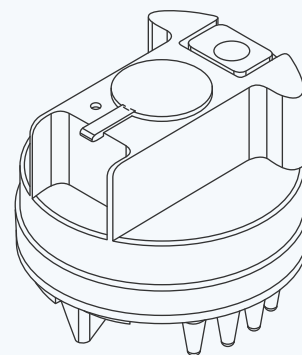
## Test Menu

### Closed-tube operation

Sample addition does not require opening the cover. A true closed-tube reaction.

### Open platform

Compatible with GeneoDx's various reagents, covering infection detection in respiratory tract, central nervous system, reproductive tract, etc.; Supports customization to meet diverse clinical testing requirements.



### Test Item

### Test Reagent

Respiratory pathogen detection	Multiplex Real-Time PCR Kit for Detection of 16 Respiratory Pathogens (Real-Time PCR)
	Pneumocystis Jirovecii Nucleic Acid Test(Real-Time PCR)
	Novel Coronavirus 2019-nCoV Nucleic Acid Detection Kit (Real-Time PCR)
Detection of pathogens causing central nervous system infections	Multiplex Real-Time PCR Kit for Detection of 14 Meningitis /Encephalitis Pathogens(Fluorescent PCR Melting Curve Method)
Detection of pathogens causing reproductive tract infections	Multiplex Real-Time PCR Kit for Detection of 6 Sexually Transmitted Infection(Real-Time PCR)
	TP & HSV I/II Qualitative and Typing Detection Kit (Real Time PCR)
Tumor methylation detection	Human ASTN1, DLX1, ITGA4, RXFP3, SOX17, ZNF671 Gene Methylation Detection Kit(Real-Time PCR)
X detection	Match the reagents for the customers and offer customization support

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