



POCT Multi-Modules Nucleic Acid Amplification and Detection Analyzer

Molecular Testing, Anywhere!

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POCT Fast is Faster

Nucleic Acid Amplification and Detection Analyzer

The product is based on three-stage magnetic conductivity extraction technology and Cross Priming Amplification Tehchnology (CPA). It is used together with the matching test kit for in-vitro diagnosis of pathogen nucleic acid sequences in human, animal and plant samples etc.



4-Modules



8-Modules



16-Modules

FreeRTOS

Embedded FreeRTOS real-time operating system is faster, more stable and efficient

HD Display

10.4 inches
Sufficient interactive experience

New Design

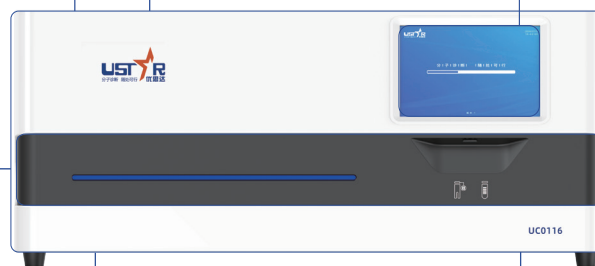
New appearance with three-dimensional structure design

Smart Operation

WIFI support
Thermal printer
Real-time result printing

Information Storage

Large memory
Capable with 200,000 records



Connect LIS

More efficient and automatic laboratory information management

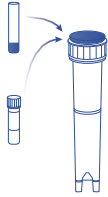
NB-IOT

Cloud Data download and update system, establish the Cloud Database, upload test data to ensure data security

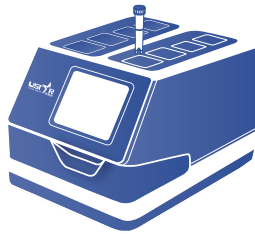
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Testing Procedure

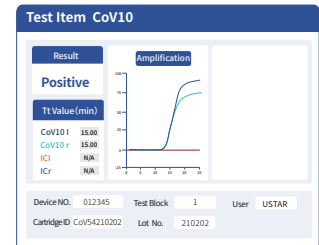
1
Load Sample



2
Insert Cartridge



3
Report Result



Product Advantages

Accurate

High-sensitivity
High-specificity
LoD: 200 copies/ml

Faster

49 minutes
output result

Multi-Modules

4-Modules
8-Modules
16-Modules

POCT

Automatic integration of nucleic acid extraction, amplification and detection

Safe

Patented cartridge design
Closed testing
No cross-contamination

Simple

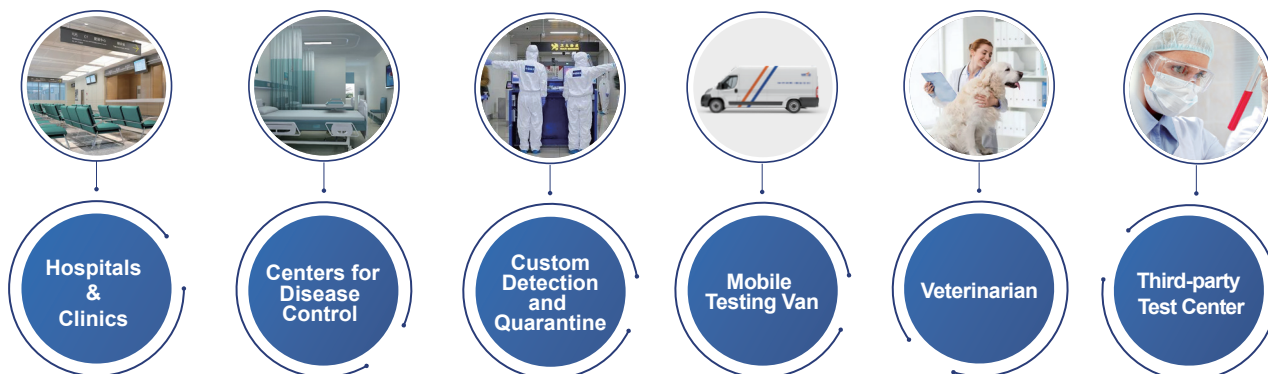
One-button operation

Easy Transportation

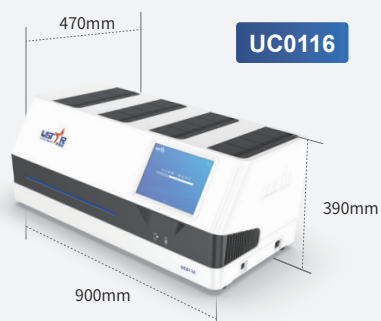
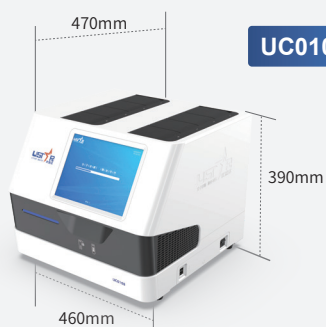
Vitrified preloaded cartridge
Ambient temperature transportation
(-25 C ~ 30 C)

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Application Scenarios



Technical Parameters



Specification	Parameter
Model	UC0104, UC0108, UC0116
Screen	10.4 inches
Temperature Range	40~95 C
Melting Rate	0.1~1 C/s
Heating Rate	Upper ≥ 0.8 C/s Lower ≥ 0.5 C/s
Temperature Accuracy	≤ 0.5 C
Control Accuracy	≤ 0.5 C
Excitation Wavelength	CH1: 470nm, CH2: 628nm
Detection Wavelength	CH1: 525nm, CH2: 692nm
Repeatability of Fluorescence Intensity Detection	CV < 3%
Precision of Fluorescence Intensity Detection	CV < 5%
Fluorescence Detection Time	≤ 5 s
Signal Interface	USB
Print Interface	USB, Thermal printer
Operation System	FreeRTOS
Network	NB-IOT
Information Management System	LIS
Storage	200,000 records

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Testing Menu

Category	Test	Certification
Respiratory Tract	SARS-Cov-2	CE certificated
	SARS-Cov-2 Alpha Variants	CE certificated
	SARS-Cov-2 Beta Variants	CE certificated
	SARS-Cov-2 Delta Variants	CE certificated
	Mycobacterium Tuberculosis Complex (MTC)	CE certificated
	Tuberculosis/Non-Tuberculous Mycobacteria (MTC/NTM)	CE certificated
	Influenza A/B	CE certificated
	Mycoplasma Pneumonia (MP)	CE certificated
	Respiratory Syncytial Virus (RSV)	CE certificated
	Bacillus Pertussis (BP)	CE certificated
	Legionella Pneumophila (LP)	CE certificated
	Streptococcus Pneumoniae (SP)	Coming soon
Reproductive Health	Mycoplasma Genitalium (MG)	CE certificated
	Herpes Simplex Virus (HSV) I / II	CE certificated
	Ureaplasma Urealyticum (UU)	CE certificated
	Ureaplasma urealyticum (UU) and Mycoplasma hominis (MH)	CE certificated
	Group B Streptococcus (GBS)	CE certificated
	Treponema Pallidum (TP)	CE certificated
	Trichomonas (TV)	CE certificated
	Chlamydia Trachomatis (CT) and Neisseria Gonorrhoeae (NG)	Coming soon
	Human Parvovirus (B-19)	Coming soon
Insect Vector	Malaria	CE certificated

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