



# **POCT Multi-Modules Nucleic Acid Amplification and Detection Analyzer**

Molecular Testing, Anywhere!

**Ustar Biotechnologies (Hangzhou) Ltd.**

## POCT

### 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

#### Information Storage

Large memory  
Capable with 200,000 records

#### Smart Operation

WIFI support  
Thermal printer  
Real-time result printing

#### Connect LIS

More efficient and automatic laboratory information management

#### NB-IOT

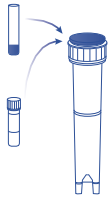
Cloud Data download and update system, establish the Cloud Database, upload test data to ensure data security

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## Testing Procedure

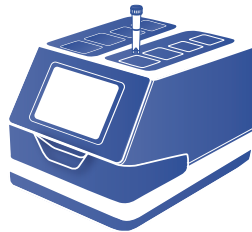
1

Load Sample



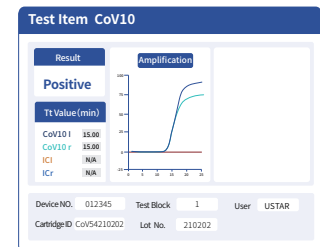
2

Insert Cartridge



3

Report Result



## Product Advantages



**Accurate**

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



**Result in 25 min**

with the Diagnostic Kit for COVID-19



**Multi-Modules**

4-Modules  
8-Modules  
16-Modules



**Cost-Effective**

Save cost for labors and lab construction



**Safe**

Patented cartridge design  
Closed testing  
No cross-contamination



**Simple**

One-button operation  
Hands-on time  $\leq 2$  min



**Easy Transportation**

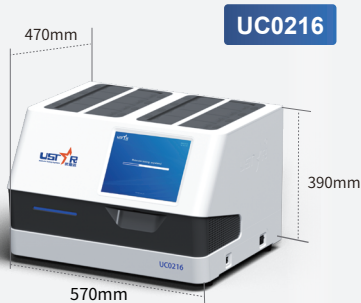
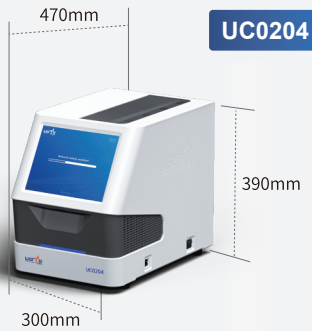
Exclusive glassification technique  
enables ambient transportation  
( $-25^{\circ}\text{C} \sim 30^{\circ}\text{C}$ )

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## Application Scenarios



## Technical Parameters



Specification	Parameter
Model	UC0204, UC0208, UC0216
Screen	10.4 inches
Temperature Range	40~95 C
Melting Rate	0.1~1 C/s
Heating Rate	Upper $\geq 0.8$ C/s Lower $\geq 0.5$ C/s
Temperature Accuracy	$\leq 0.5$ C
Control Accuracy	$\leq 0.5$ 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	$\leq 5$ 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

	Infectious Diseases	Catalog #	Marking
<b>Respiratory Tract Infection</b>	EasyNAT® SARS-CoV-2	U20223	CE marked
	EasyNAT® SARS-CoV-2 Alpha Variant	U202018-20	CE marked
	EasyNAT® SARS-CoV-2 Beta Variant	U202020-20	CE marked
	EasyNAT® SARS-CoV-2 Delta Variant	U202019-20	CE marked
	EasyNAT® SARS-CoV-2 Omicron Variant	U202023-20	CE marked
	EasyNAT® SARS-CoV-2/Delta Variant	U202024-20	CE marked
	EasyNAT® MTC	U20103	CE marked
	EasyNAT® MTC/NTM	U201002-20	CE marked
	EasyNAT® MP	U20201	CE marked
	EasyNAT® Influenza A/B	U20206	CE marked
	EasyNAT® RSV	U20208	CE marked
	EasyNAT® BP	U20209	CE marked
	EasyNAT® BP erythromycin Resistance	U202004-20	CE marked
	EasyNAT® LP	U202006-20	CE marked
<b>Sexually Transmitted Infection</b>	EasyNAT® MG	U20302	CE marked
	EasyNAT® HSV 1&2	U20304	CE marked
	EasyNAT® UU	U20303	CE marked
	EasyNAT® UU/MH	U203005-20	CE marked
	EasyNAT® GBS	U20311	CE marked
	EasyNAT® Human Parvovirus B19	U203002-20	CE marked
	EasyNAT® TP	U203004-20	CE marked
	EasyNAT® TV	U203009-20	CE marked
	EasyNAT® HPV 16/18	U203011-20	CE marked
	EasyNAT® HPV 6/11	U203012-20	CE marked
	EasyNAT® CT/NG	U203001-20	In registration
	EasyNAT® HIV-1	U205003-20	In registration
<b>Blood Infection</b>	EasyNAT® Malaria	U203010-20	CE marked
	EasyNAT Monkeypox Virus	U202028-20	CE marked



bio-strategy  
delivering technology

in New Zealand please contact  
Bio-Strategy Limited  
T: 0800 34 24 66 | E: sales.nz@bio-strategy.com  
www.bio-strategy.com | shop.bio-strategy.com

