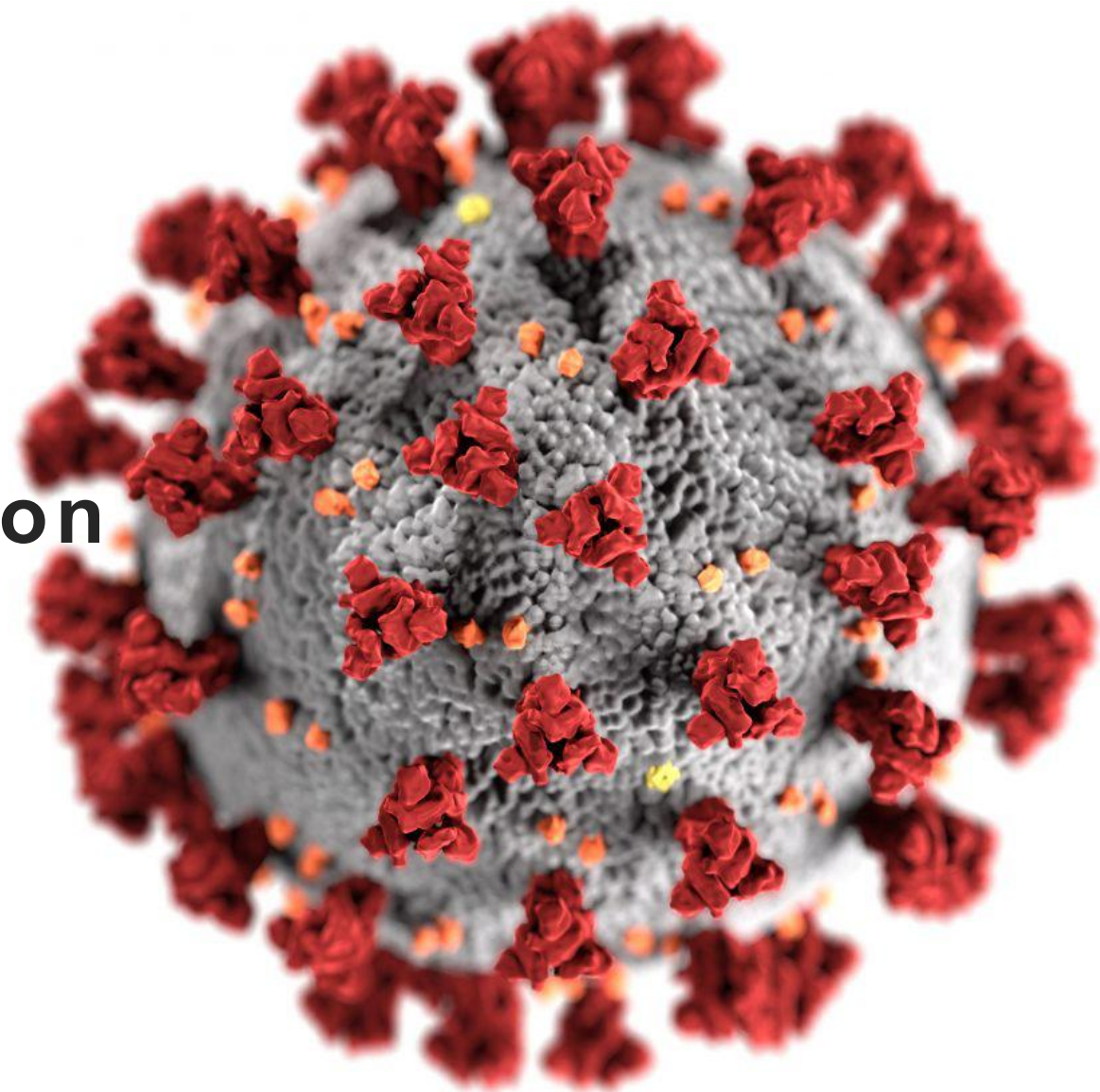




明德生物

# COVID-19 One-Stop Solution For Nucleic Acid Testing



# » Sampling » Nucleic Acid Extraction » & Diagnosis Detection

## 1. Sampling



## 3. Reaction system configuration

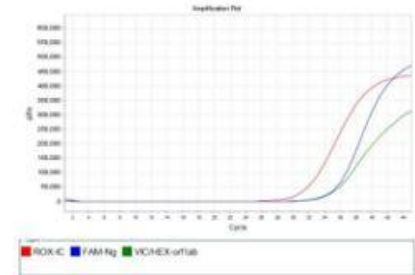


## 4. PCR amplification



Real-Time PCR  
75mins for 48pcs or 96pcs

## 5. Interpretation of results



## 2. Nucleic acid extraction



32 Samples can be  
extracted in 18mins

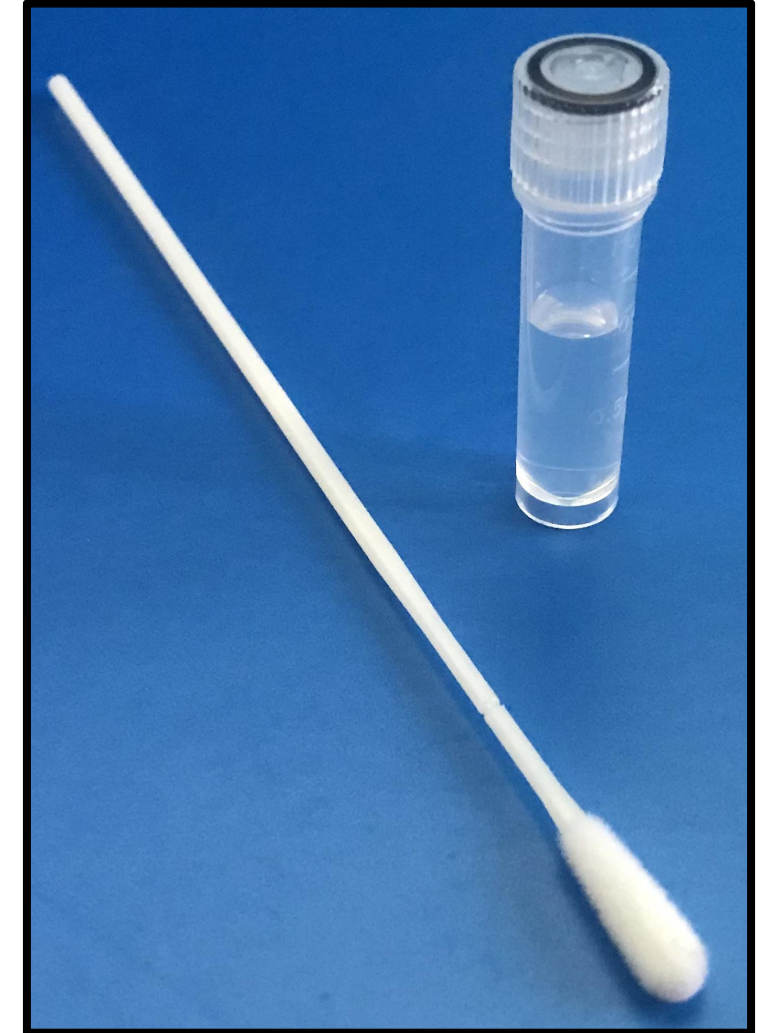
# Disposable Virus Sampling Tube

CE

Product name: **Disposable Virus Sampling Tube**

Contains: 1 swab and 1 bottle of virus transport medium

- ✓ The acquisition system using flocked swabs of microorganisms, no poison, to the greatest extent of the increase in specimen collection and release
- ✓ Swab full-length 15 cm, plastic rod has a unique design to be broken
- ✓ 3 ml quantity enough collected from multiple project testing requirements
- ✓ Safe and reliable molded swab breakpoint
- ✓ Rapid inactivation of virus particles, safe for downstream processing
- ✓ Unique media formulation includes reagent to stabilize DNA and RNA in patient samples for 4 days at 4-25°C
- ✓ Samples can be stored at -80°C



Nucleic Acid Testing Is The First Choice For The Diagnosis Of Viral Infection



# Manual Extraction

CE

Product name: **Nucleic Acid Extraction Reagent**

Packing Specification: 50 tests/kit

For nucleic acid extraction, enrichment, purification etc, and the obtained nucleic acid products are applicable to clinically diagnosis in vitro.

- ✓ High repeatability and high yield
- ✓ No special equipment required
- ✓ Low cost
- ✓ Wide range of sample types
- ✓ Complete removal of contaminants and inhibitors for downstream application



Easydiagnosis Provides Our Customers With One-Stop Solution For Reliable Nucleic Acid Testing

# Automatic Extraction

CE

Product name: **Automatic Nucleic Acid Extraction And Purification Instrument**

- ✓ Operation system: touch screen operation, easy to use
- ✓ Portability: small size, light weight
- ✓ Rapid extraction: 32 channels, 60 samples per hour
- ✓ Internal disinfection: equipped with ultraviolet lamp
- ✓ Pollution control: HEPA filtration
- ✓ Stable and reliable: no manual work, automatic completion



Nucleic Acid Testing Is The First Choice For The Diagnosis Of Viral Infection

# Real-time PCR Detection System

CE

Product name: **Real-time PCR Detection System**

- ✓ 6 fluorescent channels
- ✓ High-throughput detection: 96 samples can be examined simultaneously
- ✓ Two independent detection systems, samples can be tested simultaneously / independently
- ✓ Automatic sample in/out, automatic hot cover
- ✓ Wireless remote real-time control analysis
- ✓ Positive detection rate analysis, early warning of laboratory pollution



Easydiagnosis Provides Our Customers With One-Stop Solution For Reliable Nucleic Acid Testing

# Nucleic Acid Test kit

NMPA CE

Product name: **COVID-19 (SARS-CoV-2) Nucleic Acid Test kit**

- ✓ Fast: Optimized reaction system, greatly shortening PCR amplification time
- ✓ Convenient: Multiplex fluorescent quantitative PCR
- ✓ Good performance: Limit of detection: 500 copies/mL

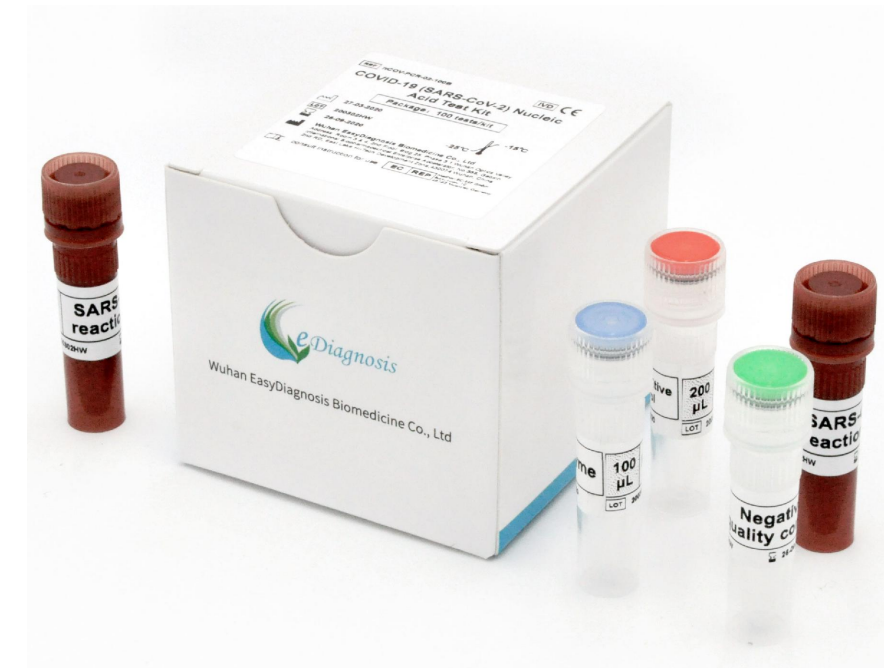
The coefficient of variation (CV,%) of the precision Ct value within the batch  $\leq 0.7\%$

Clinical accuracy: 95.59%, 95% confidence interval: 94.05%~97.14%

- ✓ Reliable: ORF1ab gene and N gene dual-site detection

UNG enzyme + dUTP system to prevent false positives caused by eliminate PCR carry-over contamination

Include internal control to effectively prevent false negatives



Nucleic Acid Testing Is The First Choice For The Diagnosis Of Viral Infection

Scheme		REF	Product Name	Transportation & Storage Temperature	Specification	kit size (mm)	Weight per Kit (kg)	Package	Package Size (mm)	Weight of the whole case
	Manual Extraction	NAE-02-50	核酸提取试剂 (手工提取试剂) Nucleic Acid Extraction Reagent	R.T temperature	50 Tests/kit	155x122x122	0.305	300tests/case (6 kits/case)	305x205x400	2.5 kg
Automatic Extraction	C.YZ25 + NAE-02-50 + Real-time PCR + nCOV-PCR-02-100B	nCOV-PCR-02-100B	新冠核酸检测试剂盒 COVID-19 (SARS-CoV-2) Nucleic Acid Test Kit	-20±5 °C	100 tests/kit	60x60x55	0.030	20000 tests/case (200 kits/case)	641x552x743	70 kg
		C.YZ25	一次性病毒采样管 Disposable Virus Sampling Tube	R.T temperature	25 Tests/kit	210×160×120	0.428	600 tests/case (24 kits/case)	665×440×385	11.7 kg
		96	荧光定量PCR仪 Real-time PCR Detection System	R.T temperature	1 unit	586×526×348	36	1unit/wooden case	750×690×580	54 kg
		E.HT32	全自动核酸提取纯化仪 (ZK-01) Full-Automatic Nucleic acid Extraction and Purification Instrument	R.T temperature	1 set	400×375×440	22	1set	550×550×450	38 kg
	C.YZ25 + E.HT32 + K.BD03 + Real-time PCR + nCOV-PCR-02-100B	K.BD03	核酸提取试剂盒 (提取纯化仪配套) Nucieic acid Extraction and Purification Kit	R.T temperature	80 Tests/kit	200×150×150	0.850	640 tests/case (8 kits/case)	420×320×320	7 kg