



# Product Profile

**Guangdong Hecin Scientific, Inc.**





## **ABOUT US**

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Guangdong Hecin Scientific, Inc., an in-vitro diagnostics (IVD) company, has developed the largest biobank and the most comprehensive range of in-vitro diagnosis products of respiratory pathogens in China. Our quality control products have been widely used in **8000+** Chinese hospitals and labs. Hecin's Covid test products has been exported to Europe, South America, and Southeast Asia, etc.

Our commitment is to create a healthy respiratory system for all. The key to successful treatment and recovery are always fast and accurate diagnosis, and Hecin will never stop its steps with 300 full-time employees and many more to come.

- **5,000 m<sup>2</sup> factory**
- **Biosafety Level 2 laboratory**



- **Stable Lyophilization Technology**
- **Extraction-free Rapid PCR Solution**

- **Founder**
- National Major Talent Project
- Connecticut state University School of Medicine and Weizmann Institute of science
- Chief Scientist of Enzo biochemistry
- Yale University School of medicine



Professor Xiaofeng Li

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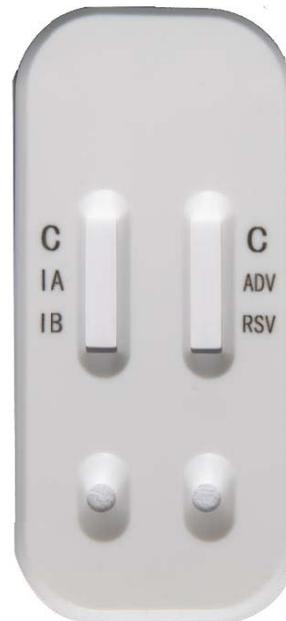
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# Multiple respiratory testing solution

1 sample, 4 diagnoses, results in 15 minutes



## Multiple Respiratory Viral Antigen Test Kit (Colloidal Gold Method)

### Features

- ◆ Distinguish IAV, IBV, ADV & RSV in the flu season.
- ◆ Save diagnosis time for targeted treatment.

Virus	Subtype	LoD (TCID <sub>50</sub> /mL)
Influenza A virus (IAV)	Seasonal H1N1	26
	H1N1 (2009)	11
	H3N2	0.5
Influenza B virus (IBV)	Victoria	300
	Yamataga	8
Adenovirus (ADV)	ADV 3	1.8 × 10 <sup>3</sup>
	ADV 7	9.4 × 10 <sup>2</sup>
Respiratory syncytial virus (RSV)	RSV A	79
	RSV B	9

# LFIA for Covid & Influenza Diagnosis

- CE (European Union)
- ANVISA (Brazil)



3 in 1 test



**2019-nCoV/IAV/IBV Antigen Test Kit  
(colloidal gold method)**

## Features

- ◆ Excellent performance: Accuracy 98.71% (IAV), 98.70% (IBV), 99.17% (2019-nCoV).
- ◆ Simple operation, no instrument is needed.
- ◆ Infection of 2019-nCoV or IAV or IBV or any combined infection can be easily identified.

## Basic Information

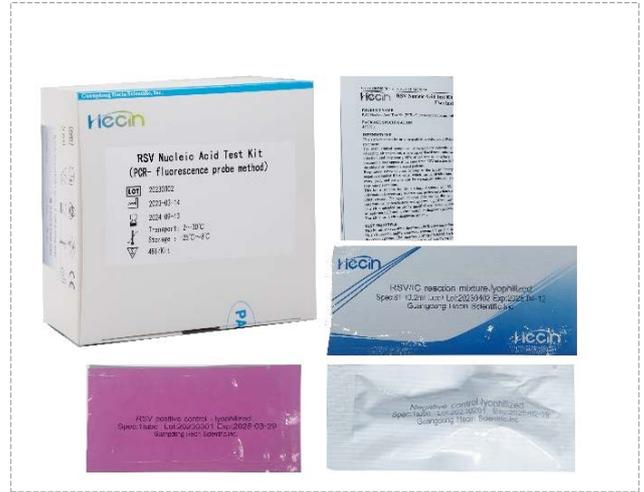
Product Name	Specimen Type	Specification	Reaction Condition	Storage	Validity
2019-nCoV/IAV/IBV Antigen Test Kit (colloidal gold method)	Oropharyngeal swab, Nasopharyngeal swab	1 Test/Kit, 20 Tests/Kit	Reaction at room temperature for 15 minutes	2°C ~ 30°C	24 months

# RSV (Respiratory Syncytial Virus) Nucleic Acid Test Kit (PCR-fluorescence probe method)

- CE (European Union)
- NMPA (China)



Single-tube colored lyophilized beads



8-strip tube lyophilized powder

## Features

- Flexible combinations for single-tube colored lyophilized beads.
- Rapid PCR solution with UltraFast QPCR Instrument HC800/HC1600 within 30min.
- Cost-saving: room temperature transportation and less loss of reagent efficacy.
- Detection of multiple types of RSV: Serotypes A&B.

## Basic Information

Product Name	Specimen Type	Specification	Storage	Validity	Applicable Instruments
ADV Nucleic Acid Test Kit (PCR-fluorescence probe method)	Oropharyngeal swab	48 T/Kit	-25°C ~ 8°C	18 months	UltraFast QPCR Instrument, ABI 7500, Bio-rad CFX96, TL988, SLAN Real-Time PCR, etc



# EV (Enterovirus) Nucleic Acid Test Kit (PCR-fluorescence probe method)

- CE (European Union)
- NMPA (China)



Single-tube colored lyophilized beads



8-strip tube lyophilized powder

## Features

- Flexible combinations for single-tube colored lyophilized beads.
- Rapid PCR solution with UltraFast QPCR Instrument HC800/HC1600 within 30min.
- Cost-saving: room temperature transportation and less loss of reagent efficacy.
- Detection of multiple types of EV: CA, CB, EV71&Echovirus (**Hand-foot-mouth disease**).

## Basic Information

Product Name	Specimen Type	Specification	Storage	Validity	Applicable Instruments
ADV Nucleic Acid Test Kit (PCR-fluorescence probe method)	Oropharyngeal swab	48 T/Kit	-25°C ~ 8°C	18 months	UltraFast QPCR Instrument, ABI 7500, Bio-rad CFX96, TL988, SLAN Real-Time PCR, etc

# ADV (Adenovirus) Nucleic Acid Test Kit (PCR-fluorescence probe method)

- CE (European Union)
- NMPA (China)



**Single-tube colored lyophilized beads**



**8-strip tube lyophilized powder**

## Features

- Flexible combinations for single-tube colored lyophilized beads.
- Rapid PCR solution with UltraFast QPCR Instrument HC800/HC1600 within 30min.
- Cost-saving: room temperature transportation and less loss of reagent efficacy.
- Detection of multiple types of ADV:

Detections include							
Subgroup	A	B1	B2	C	D	E	F
Serotype	12	3,7	11,14,35, 55	1,2	8,13,39	4	40,41

## Basic Information

Product Name	Specimen Type	Specification	Storage	Validity	Applicable Instruments
ADV Nucleic Acid Test Kit (PCR-fluorescence probe method)	Oropharyngeal swab	48 T/Kit	-25°C ~ 8°C	18 months	UltraFast QPCR Instrument, ABI 7500, Bio-rad CFX96, TL988, SLAN Real-Time PCR, etc





# MP (Mycoplasma pneumoniae) Nucleic Acid Test Kit

(PCR-fluorescence probe method)

- CE (European Union)
- NMPA (China)



Single-tube colored lyophilized beads



8-strip tube lyophilized powder

## Features

- Flexible combinations for single-tube colored lyophilized beads.
- Rapid PCR solution with UltraFast QPCR Instrument HC800/HC1600 within 30min.
- Cost-saving: room temperature transportation and less loss of reagent efficacy.

## Basic Information

Product Name	Specimen Type	Specification	Storage	Validity	Applicable Instruments
ADV Nucleic Acid Test Kit (PCR-fluorescence probe method)	Oropharyngeal swab	48 T/Kit	-25°C ~ 8°C	18 months	UltraFast QPCR Instrument, ABI 7500, Bio-rad CFX96, TL988, SLAN Real-Time PCR, etc

# 2019-nCoV/IAV/IBV (Covid/Flu A&B) Nucleic Acid Test Kit (PCR-fluorescence probe method)

## Combo PCR "3 in 1 test"

- CE (European Union)



Single-tube colored lyophilized beads



8-strip tube lyophilized powder

### Features

- ◆ Flexible combinations for single-tube colored lyophilized beads.
- ◆ Multiple pathogens detections.
- ◆ Reliable Performance: 100% coincidence rate in both positive and negative reference products.
- ◆ Innovative lyophilization technology.
- ◆ Pre-filled PCR tube. Triple-target precise detection.

### Basic Information

Product Name	Specimen Type	Specification	Storage	Validity	Applicable Instruments
2019-nCoV/IAV/IBV Nucleic Acid Test Kit (PCR-fluorescence probe method)	Oropharyngeal swab, Nasopharyngeal swab	4x24 T/Kit, 12x8 T/Kit	-25°C ~ 8°C	18 months	UltraFast QPCR Instrument, ABI 7500, Bio-rad CFX96, TL988, SLAN Real-Time PCR, etc

## UltraFast QPCR Instrument

“Sample in, Result out”



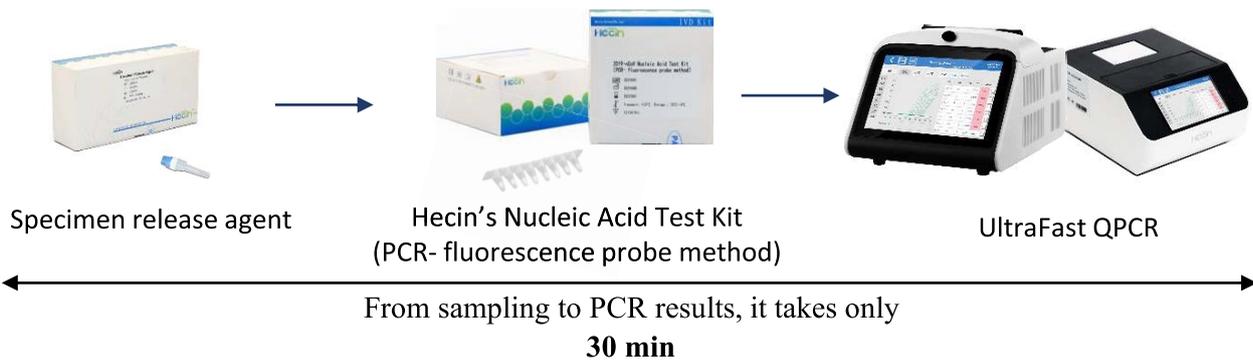
HC800

- NMPA (China)
- CE IVDR (European Union)
- TGA (Australia)
- Thai FDA (Thailand)
- FDA (U.S.A)

- CE IVDR (European Union)
- FDA (U.S.A)

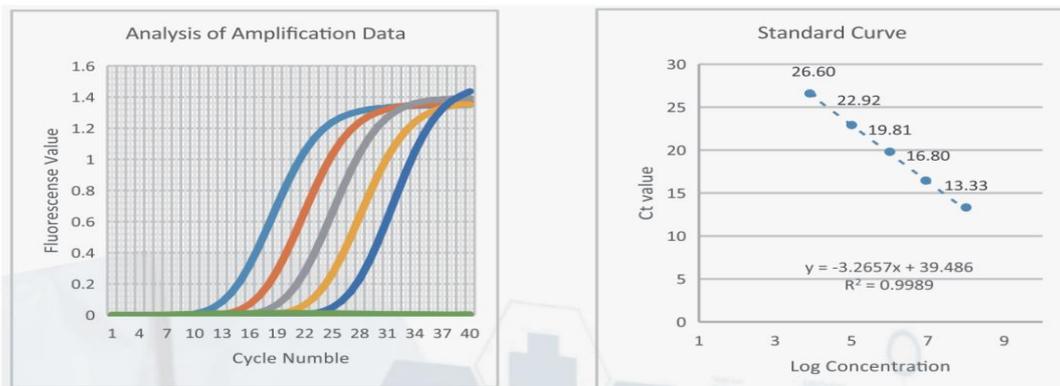


HC1600



### Features

- ◆ ≤ 30 min thermocycling fluorescence detection.
- ◆ For HC800 : Portable, 3.2 kg, size: 25 cm × 19 cm × 12 cm.
- ◆ 8°C/s temperature cycling rate for HC800 and 6 °C -7.5 °C/s for HC1600.



\*The CT value of the positive reference sample was detected after being diluted by 5, 25, 125, 625, 3125 times  $R^2 = 0.9989$ . Conclusion: the instrument has good stability.

# Fluorescent Immunoanalyzer

- NMPA (China)
- CE IVDR(European Union)



**CF-1000**

## Features

- ◆ Cover major test items.
- ◆ Customized QR code and Bar code.
- ◆ WiFi connection.

## Test Items

<b>Inflammation</b>	CRP
	PCT
	SAA
	ALB
<b>Cardiac</b>	cTnI
	CK-MB
	Myo
	cTnI/CK-MB/Myo
	NT-proBNP
<b>Renal</b>	H-FABP
	β2-MG
<b>Diabetes</b>	HbA1c

## Basic Information

<b>Specimen</b>	Whole blood/Serum/Plasma/Urine
<b>Printer</b>	Built-in thermal printer
<b>Dimensions</b>	L*W*H,mm :280×220×150
<b>Weight</b>	2.5kg

# Product List

PCR test			
Code	Product Name	Specification	Certificate
HS01	ADV Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit	CE/NMPA
HS03	MP Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit	CE/NMPA
HS04	HBoV Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit	CE/NMPA
HS06	CA16 Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit	CE/NMPA
HS07	EV Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit	CE/NMPA
HS08	EV71 Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit	CE/NMPA
HS09	PIV1 Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit	CE/NMPA
HS10	PIV3 Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit	CE/NMPA
HS11	RSV Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit	CE/NMPA
HS17	IAV/IBV/ADV Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit	CE/NMPA
HS27	2019-nCoV Nucleic Acid Test Kit (PCR- fluorescence probe method)	12 × 8T/Kit; 4 × 24T/Kit	CE/ANVISA/Thai FDA
HS28	2019-nCoV/IAV/IBV Nucleic Acid Test Kit (PCR- fluorescence probe method)	12 × 8T/Kit; 4 × 24T/Kit	CE
HS33	2019-nCoV and Delta Strain Nucleic Acid Test Kit (PCR-fluorescence probe method)	12 × 8T/Kit; 4 × 24T/Kit	CE
HS35	2019-nCoV and Omicron Variant Nucleic Acid Test Kit (PCR-fluorescence probe method)	12 × 8T/Kit; 4 × 24T/Kit	CE
KY130	Monkeypox Virus Nucleic Acid Test Kit (PCR- fluorescence probe method)	48T/Kit	CE

# Product List

PCR test		
Code	Product Name	Specification
KY116	Shigella Flexneri Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit
KY117	Vibrio Parahaemolyticus Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit
KY118	Clostridium Difficile Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit
KY119	Staphylococcus Aureus Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit
KY120	Salmonella Enteritidis Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit
KY140	Avian Influenza Virus H5 Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit
KY141	Avian Influenza Virus H7 Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit
KY142	Avian Influenza Virus H9 Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit
KY143	Avian Influenza Virus H10 Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit
KY144	Avian Influenza Virus N1 Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit
KY145	Avian Influenza Virus N2 Nucleic Acid Test Kit (PCR- fluorescence probe method)	48T/Kit
KY146	Avian Influenza Virus N6 Nucleic Acid Test Kit (PCR- fluorescence probe method)	48T/Kit
KY147	Avian Influenza Virus N9 Nucleic Acid Test Kit (PCR-fluorescence probe method)	48T/Kit

# Product List

Molecular diagnostic materials	
Name	Component
M-MLV Reverse Transcriptase	M-MLV Reverse Transcriptase (RNase H <sup>-</sup> )
	M-MLV Reverse Transcriptase (RNase H <sup>-</sup> )
HP Taq DNA Polymerase	HP Taq DNA Polymerase
	HP Taq DNA Polymerase
Super HP Taq DNA Polymerase	Super HPTaq DNA Polymerase
	Super HPTaq DNA Polymerase
One-step RT-PCR Master Mix	4× One-step RT-PCR Master Mix
	4× One-step RT-PCR Master Mix
Realtime PCR Master Mix	4× Realtime PCR Master Mix
	4× Realtime PCR Master Mix
Super Easy SYBR <sup>®</sup> Green qPCR	4× Super Easy SYBR <sup>®</sup> Green qPCR Master Mix
Master Mix	4× Super Easy SYBR <sup>®</sup> Green qPCR Master Mix

Antigen test			
1	2	3	4
2019-nCoV Antigen Test Kit (colloidal gold method)	2019-nCoV Saliva Antigen Rapid Test Kit	2019-nCoV/IAV/IBV Antigen Test Kit (colloidal gold method)	Multiple Respiratory Viral (IA/IB/RSV/ADV) Antigen Test Kit (colloidal gold method)

POCT (Fluorescence immunochromatography) test												
1	2	3	4	5	6	7	8	9	10	11	12	13
cTnI	CK-MB	Myo	cTnI/ CK- MB/ Myo	H- FABP	NT- proBN P	CRP	PCT	SAA	ALB	β2-MG	β-HCG	HbA1c



# Respiratory Health for All

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