



Product Catalogue

Molecular Diagnostics

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MPC-24001



Enhancing Global Health

Healgen Scientific, a wholly owned subsidiary of Zhejiang Orient Gene Biotech Co.,Ltd, develops, manufactures and commercializes *in vitro* diagnostic test systems worldwide. Our product portfolio spans multiple testing categories and analytes to meet various clinical and laboratory needs. Our testing platforms include rapid testing, molecular diagnostics, and multiplex flow cytometry. Since our inception in 2007, we strive to develop devices that meet and exceed industry standards.

Healgen in U.S.A

Zhejiang Orient Gene Biotech Co.,Ltd develops, manufactures and commercializes *in vitro* diagnostic systems worldwide. Our ambition is worldwide, and we currently provide products to customers in: USA, Europe, Middle-East, South Asia, Africa and Latin America for a total of 80+ countries. Our mission is to provide premier support to our distributors and partners. We have a flexible strategy on business cooperation, where we offer OEM options. Our success is supported by our professional personnel and good manufacturing practice.



Real-time PCR Test Series

- Respiratory Disease PCR Reagent Kits
- Blood-Borne Disease PCR Reagent Kits
- Sexually Transmitted Disease PCR Reagent Kits
- Ocular Pathogens PCR Reagent Kit
- Individualized Oncology PCR Reagent Kit
- Sample Processing
- Nucleic Acid Extraction and Purification System
- Real-time PCR Instruments

Rapid RNA/DNA Test Series

- Rapid RNA/DNA Test
- Isothermal Amplifier

Healgen® is registered trademark of Healgen Scientific LLC.

Real-time PCR Test Series
Respiratory Disease PCR
Reagent Kits

01



Product Catalogue

Name	Certificate	Size	Catalog No.
Influenza A/B Virus Detection Kit (Fluorescence PCR)	CE	48 tests/kit 48 tests/kit (Lyophilization)	101A0201EY 101A0201ED*
Group A Streptococcus Detection Kit (Fluorescence PCR)	CE	48 tests/kit	101A0202EY
Mycobacterium Tuberculosis Complex Detection Kit (Fluorescence PCR)	CE	48 tests/kit, 96 tests/kit 48 tests/kit, 96 tests/kit (Lyophilization)	101A0205EY 101A0205ED
Mycoplasma Pneumoniae Virus Detection Kit (Fluorescence PCR)	CE	48 tests/kit, 96 tests/kit 48 tests/kit, 96 tests/kit (Lyophilization)	101A0207EY 101A0207ED
Herpes Simplex Virus I Detection Kit (Fluorescence PCR)	CE	48 tests/kit, 96 tests/kit 48 tests/kit, 96 tests/kit (Lyophilization)	101A0209EY 101A0209ED
SARS-CoV-2 & Influenza AB Detection Kit (Direct Fluorescence PCR)	CE	48 tests/kit, 96 tests/kit	ACAB01
Influenza A/B and Respiratory Syncytial Virus Detection Kit (Fluorescence PCR)	CE	48 tests/kit, 96 tests/kit 48 tests/kit, 96 tests/kit (Lyophilization)	AFR01 AFR01D

*Upcoming

Real-time PCR Test Series
Respiratory Disease PCR
Reagent Kits

01



Product Catalogue

Name	Certificate	Size	Catalog No.
SARS-CoV-2 & Influenza A/B Detection Kit (Fluorescence PCR)	CE	48 tests/kit	ACAB03D
SARS-CoV-2 Detection Kit (Direct Fluorescence PCR)	CE	48 tests/kit, 96 tests/kit	ACOV01
SARS-CoV-2 Detection Kit (Fluorescence RT-PCR)	CE	48 tests/kit, 96 tests/kit 48 tests/kit, 96 tests/kit (Lyophilization)	ACOV03 ACOV03D

*Upcoming

Real-time PCR Test Series
Respiratory Disease PCR
Reagent Kits

01



- Fast and easy to operate.
- Low risk of cross contamination and infection.
- Wide range of applicable Instruments:
It is suitable for ABI®, Roche®, Bio-Rad®, Bioer®, Hongshi®, Molarray® and similar multi-channel fluorescent PCR Instruments.
- More accurate test results.

Detailed information

Influenza A/B Virus Detection Kit (Fluorescence PCR)
101A0201EY
101A0201ED (Lyophilization)*
The Influenza A/B Detection Kit(Fluorescence PCR) is a qualitative *in vitro* real-time RT-PCR test for the detection of nucleic acid from Influenza A virus or Influenza B virus in specimens from individuals suspected of respiratory tract infectious diseases.
Specifications

- **Analytical Sensitivity (LoD):** 1000 copies/mL
- **Sample Type:** Oropharyngeal swab or nasopharyngeal swab
- **Storage:** 101A0201EY: -25°C to -15°C
101A0201ED (Lyophilization): 0°C to 35°C
- **Shelf Life:** 12 months from the date of manufacture

CE

Group A Streptococcus Detection Kit (Fluorescence PCR)
101A0202EY
Suitable for the qualitative detection of Group A Streptococcus(GAS) DNA in specimens from individuals suspected of GAS infection.
Specifications

- **Analytical Sensitivity (LoD):** 1000 copies/mL
- **Sample Type:** Oropharyngeal swab
- **Storage:** 101A0202EY: -25°C to -15°C
101A0202ED (Lyophilization): 0°C to 35°C
- **Shelf Life:** 12 months from the date of manufacture

CE

Mycobacterium Tuberculosis Complex Detection Kit (Fluorescence PCR)

101A0205EY

101A0205ED (Lyophilization)

Suitable for the detection of Mycobacterium Tuberculosis Complex (MTBC) DNA.

Specifications

- **Analytical Sensitivity (LoD):** 100 bacteria/mL
- **Sample Type:** Adequate expectorated sputum samples
- **Storage:** 101A0205EY: -25°C to -15°C
101A0205ED (Lyophilization): 0°C to 35°C
- **Shelf Life:** 12 months from the date of manufacture



Mycoplasma Pneumoniae Virus Detection Kit (Fluorescence PCR)

101A0207EY

101A0207ED (Lyophilization)

The Mycoplasma Pneumoniae virus Detection Kit (Fluorescence PCR) is a qualitative *in vitro* real-time PCR test for the detection of nucleic acid from Mycoplasma Pneumoniae virus.

Specifications

- **Analytical Sensitivity (LoD):** 1×10³ copies/mL
- **Sample Type:** Oropharyngeal swab or nasopharyngeal swab
- **Storage:** 101A0207EY: -25°C to -15°C
101A0207ED (Lyophilization): 0°C to 35°C
- **Shelf Life:** 12 months from the date of manufacture



Herpes Simplex Virus I Detection Kit (Fluorescence PCR)

101A0209EY

101A0209ED (Lyophilization)

The Herpes Simplex virus I Detection Kit (Fluorescence PCR) is a real-time PCR test suitable for the *in vitro* qualitative detection of Herpes Simplex virus 1 (HSV1) DNA in specimens from individuals suspected of Herpes Simplex virus 1 infection. HSV1 infection is a highly contagious infection that is common and prevalent around the world. Most HSV1 infections occur in childhood and continue throughout life. The vast majority of HSV1 infections are oral herpes (infections in or around the mouth, sometimes called oral or facial herpes).

Specifications

- **Analytical Sensitivity (LoD):** 1000 copies/mL
- **Sample Type:** Oral vesicular lesions, or cutaneous and mucocutaneous lesion swab
- **Storage:** 101A0209EY: -25°C to -15°C
101A0209ED (Lyophilization): 0°C to 35°C
- **Shelf Life:** 12 months from the date of manufacture



SARS-CoV-2 & Influenza A/B Detection Kit (Direct Fluorescence PCR)

ACAB01

Clinical signs and symptoms of SARS-CoV-2 and influenza infections can be similar. The SARS -CoV-2 & Influenza A/B Detection Kit (Direct Fluorescence PCR) is intended for use in the simultaneous rapid *in vitro* detection and differentiation of SARS-CoV-2, influenza A virus, and influenza B virus in clinical specimens.

Features

- **Differential Analysis:** Accurate differentiation of SARS-CoV-2, Influenza A and B viruses
- **Multiplex Assay:** 1 sample, 3 targets
- **Extraction free preparation**

Specifications

- **Analytical Sensitivity (LoD):** 1000 copies/mL
- **Sample Type:** Oropharyngeal swab and nasopharyngeal swab
- **Storage:** -25°C to -15°C
- **Shelf Life:** 12 months from the date of manufacture



Influenza A/B and Respiratory Syncytial Virus Detection Kit (Fluorescence PCR)

AFR01

AFR01D (Lyophilization)

The Influenza A/B and Respiratory Syncytial virus Detection Kit (Fluorescence PCR) is a real-time RT-PCR test for the simultaneous *in vitro* qualitative detection and differentiation of Influenza A virus, Influenza B virus and/or Respiratory Syncytial virus (RSV) nucleic acid.

Specifications

- **Analytical Sensitivity (LoD):** 500 copies/mL
- **Sample Type:** Oropharyngeal swab or nasopharyngeal swab
- **Storage:** AFR01: -25°C to -15°C
AFR01D (Lyophilization): 0°C to 35°C
- **Shelf Life:** 12 months from the date of manufacture



SARS-CoV-2 & Influenza A/B Detection Kit (Fluorescence PCR)

ACAB03D (Lyophilization)

Clinical signs and symptoms of SARS-CoV-2 and influenza infections can be similar. The SARS-CoV-2 & Influenza A/B Detection Kit (Fluorescence PCR) is intended for use in the simultaneous rapid *in vitro* detection and differentiation of SARS-CoV-2, influenza A virus, and influenza B virus in clinical specimens.

Specifications

- **Analytical Sensitivity (LoD):** 1000 copies/mL
- **Sample Type:** Oropharyngeal swab or nasopharyngeal swab
- **Storage:** 0°C to 35°C
- **Shelf Life:** 12 months from the date of manufacture



SARS-CoV-2 Detection Kit (Direct Fluorescence PCR)

ACOV01

The SARS-CoV-2 Detection Kit (Direct Fluorescence PCR) is a rapid real-time RT-PCR test without RNA-purification intended for the qualitative detection of nucleic acid from the SARS-CoV-2 virus in specimens from individuals suspect -ed of COVID-19 by their healthcare provider.

Features

- **Extraction free preparation**
- **Exceptional Speed:** Entire amplification protocol is about 65 minutes
- **Reduced Handling:** Fewer hands-on time and risk of contamination

Specifications

- **Analytical Sensitivity (LoD):** 200 copies/mL
- **Sample Type:** Oropharyngeal swab and nasopharyngeal swab
- **Storage:** -25°C to -15°C
- **Shelf Life:** 12 months from the date of manufacture



CE

SARS-CoV-2 Detection Kit (Fluorescence RT-PCR)

ACOV03

ACOV03D (Lyophilization)

The SARS-CoV-2 Detection Kit (Fluorescence RT-PCR) is a real-time RT-PCR test intended for the qualitative detection of nucleic acid from the SARS-CoV-2 virus in specimens from individuals suspected of COVID-19 by their healthcare provider.

Features

- Flexible sample type selection
- Reliable and reproducible results
- Lyophilized reagent can be stored at room temperature, convenient for transport

Specifications

- **Analytical Sensitivity (LoD):** 100 copies/mL
- **Sample Type:** Oropharyngeal (throat) swab, nasopharyngeal swab, anterior nasal swab, midturbinate swab, nasal washes and nasal aspirate
- **Storage:** ACOV03: -25°C to -15°C
ACOV03D (Lyophilization): 0°C to 35°C
- **Shelf Life:** 12 months from the date of manufacture



CE

Real-time PCR Test Series

Blood-Borne Disease PCR

Reagent Kits

02



Product Catalogue

Name	Certificate	Size	Catalog No.
Hepatitis B Virus Detection Kit (Fluorescence PCR)	RUO	48 tests/kit 48 tests/kit (Lyophilization)	101A0226EY 101A0226ED
Hepatitis C Virus Detection Kit (Fluorescence PCR)	RUO	48 tests/kit 48 tests/kit (Lyophilization)	101A0225EY 101A0225ED
Human Immodeficiency Virus I Detection Kit (Fluorescence PCR)	RUO	48 tests/kit 48 tests/kit (Lyophilization)	AHIV101 AHIV101D
Monkeypox Virus Detection Kit (Fluorescence PCR)	CE	48 tests/kit, 96 tests/kit 48 tests/kit, 96 tests/kit (Lyophilization)	AMPV01 AMPV01D
Dengue Virus Detection Kit (Fluorescence PCR)	CE	48 tests/kit, 96 tests/kit 48 tests/kit, 96 tests/kit (Lyophilization)	101A0211EY 101A0211ED
Cytomegalovirus Detection Kit (Fluorescence PCR)	CE	48 tests/kit, 96 tests/kit	101A0203EY
Epstein-Barr Virus Detection Kit (Fluorescence PCR)	CE	48 tests/kit	101A0204EY

*Upcoming

Detailed information

Hepatitis B Virus Detection Kit (Fluorescence PCR)

101A0226EY

101A0226ED (Lyophilization)

This kit can be used for the quantitative detection of Hepatitis B virus (HBV) DNA (genotypes A-I) in plasma or serum.

Specifications

- **Analytical Sensitivity (LoD):** 20 IU/mL
- **Sample Type:** plasma (EDTA anticoagulant) or serum
- **Storage:** 101A0226EY: -25°C to -15°C
101A0226ED (Lyophilization): 0°C to 35°C
- **Shelf Life:** 12 months from the date of manufacture



For Research Use Only

Hepatitis C Virus Detection Kit (Fluorescence PCR)

101A0225EY

101A0225ED (Lyophilization)

This kit can be used for the quantitative detection of Hepatitis C virus (HCV) RNA (genotypes 1-6) in plasma or serum.

Specifications

- **Analytical Sensitivity (LoD):** 20 IU/mL
- **Sample Type:** plasma (EDTA anticoagulant) or serum
- **Storage:** 101A0225EY: -25°C to -15°C
101A0225ED (Lyophilization): 0°C to 35°C
- **Shelf Life:** 12 months from the date of manufacture



For Research Use Only

Human Immunodeficiency Virus Detection Kit (Fluorescence PCR)

101A0215EY

101A0215ED (Lyophilization)

This kit can be used for the quantitative detection of Human Immunodeficiency virus(HIV) RNA (genotypes 1/2) in plasma or serum.

Specifications

- **Analytical Sensitivity (LoD):** 25 IU/mL
- **Sample Type:** plasma (EDTA anticoagulant) or serum
- **Storage:** 101A0215EY: -25°C to -15°C
101A0215ED (Lyophilization): 0°C to 35°C
- **Shelf Life:** 12 months from the date of manufacture



For Research Use Only

Monkeypox Virus Detection Kit (Fluorescence PCR)

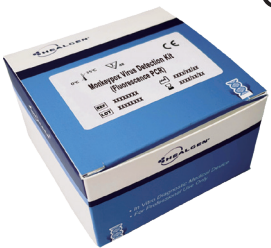
AMPV01

AMPV01D (Lyophilization)

The Monkeypox virus Detection Kit (Fluorescence PCR) is a qualitative *in vitro* real-time PCR test for the detection of nucleic acid from Monkeypox virus.

Specifications

- **Analytical Sensitivity (LoD):** 200 copies/mL
- **Sample Type:** Oropharyngeal swab, nasopharyngeal swab, serum, plasma and human pustular or vesicular rash specimens
- **Storage:** AMPV01: -25°C to -15°C
AMPV01D (Lyophilization): 0°C to 35°C
- **Shelf Life:** 12 months from the date of manufacture



Dengue Virus Detection Kit (Fluorescence PCR)

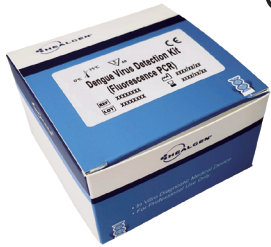
101A0211EY

101A0211ED (Lyophilization)

The kit is suitable for the qualitative detection of Dengue virus RNA in human blood (serum/plasma).

Specifications

- **Analytical Sensitivity (LoD):** 1×10⁴ copies/mL
- **Sample Type:** Plasma (EDTA anticoagulant) or serum
- **Storage:** 101A0211EY: -25°C to -15°C
101A0211ED (Lyophilization): 0°C to 35°C
- **Shelf Life:** 12 months from the date of manufacture



CE

Cytomegalovirus Detection Kit (Fluorescence PCR)

101A0203EY

Can be used for the quantitative detection of Cytomegalovirus (CMV) nucleic acid in human urine, blood or plasma.

Specifications

- **Analytical Sensitivity (LoD):** 500 copies/mL
- **Sample Type:** Human urine, blood or plasma
- **Storage:** -25°C to -15°C
- **Shelf Life:** 12 months from the date of manufacture



CE

Epstein-Barr Virus Detection Kit (Fluorescence PCR)

101A0204EY

Can be used for the quantitative detection of EBV nucleic acid in whole blood, serum or plasma.

Specifications

- **Analytical Sensitivity (LoD):** 500 copies/mL
- **Sample Type:** Whole blood, serum or plasma
- **Storage:** -25°C to -15°C
- **Shelf Life:** 12 months from the date of manufacture



CE

Real-time PCR Test Series

Sexually Transmitted Disease

PCR Reagent Kits

03



Product Catalogue

Name	Certificate	Size	Catalog No.
Human Papillomavirus 14 Types Detection Kit (Fluorescence PCR)	CE	48 tests/kit	101A0108EY
Human Papillomavirus (23 types) Genotyping Kit (Melt-Fluorescence PCR)	CE	48 tests/kit	AHPV2302
Herpes Simplex Virus II Detection Kit (Fluorescence PCR)	CE	48 tests/kit, 96 tests/kit 48 tests/kit, 96 tests/kit (Lyophilization)	101A0216EY 101A0216ED
Neisseria Gonorrhoeae Detection Kit (Fluorescence PCR)	CE	48 tests/kit, 96 tests/kit 48 tests/kit, 96 tests/kit (Lyophilization)	101A0217EY* 101A0217ED*
Treponema Pallidum Detection Kit (Fluorescence PCR)	CE	48 tests/kit, 96 tests/kit 48 tests/kit, 96 tests/kit (Lyophilization)	ATP01 ATP01D

*Upcoming

Detailed information

Human Papillomavirus 14 Types Detection Kit (Fluorescence PCR)

101A0108EY

Suitable for Genotyping detection of Human Papillomavirus (HPV) 14 types (16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66 and 68 types) DNA.

Features

- **Multiplex Assay:** 14 types HPV detected
- **Easy to Operate:** Extraction free preparation
- **Faster Detection:** 85 minutes from sample to result

Specifications

- **Analytical Sensitivity (LoD):** Average75 copies/reaction
- **Sample Type:** Cervical exfoliated cells
- **Storage:** -25°C to -15°C
- **Shelf Life:** 12 months from the date of manufacture



Human Papillomavirus (23 types) Genotyping Kit (Melt-Fluorescence PCR)

AHPV2302

It is a qualitative in vitro test for the detection of Human Papillomavirus (HPV) 23 types of DNA in cervical exfoliated cells specimens. The product just uses two tubes for one sample to specifically identify (HPV) 23 types (6, 16, 18, 11, 26, 31, 33, 35, 39, 42, 43, 45, 51, 53, 52, 56, 58, 59, 66, 68, 73, 81, 82).

Features

- **Multiplex Assay:** 23 types HPV specifically identified
- Flexible use of the melt curve technique
- Internal Control to monitor the whole test
- Reliable result and easy interpretation

Specifications

- **Sample Type:** Cervical exfoliated cells
- **Storage:** -25°C to -15°C
- **Shelf Life:** 12 months from the date of manufacture



Herpes Simplex Virus II Detection Kit (Fluorescence PCR)

101A0216EY

101A0216ED (Lyophilization)

The Herpes Simplex virus II Detection Kit(Fluorescence PCR) is an *in vitro* real-time PCR test for the presumptive qualitative detection of the Herpes Simplex virus II (HSV2) DNA.

Specifications

- **Analytical Sensitivity (LoD):** 1000 copies/mL
- **Sample Type:** Male urethral swab and female cervical secretions
- **Storage:** 101A0216EY: -25°C to -15°C
101A0216ED (Lyophilization): 0°C to 35°C
- **Shelf Life:** 12 months from the date of manufacture

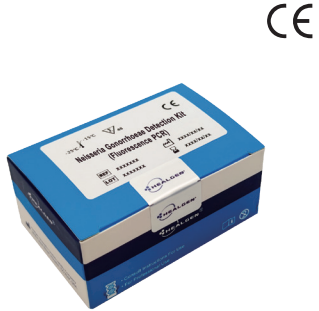


Neisseria Gonorrhoeae Detection Kit (Fluorescence PCR)
101A0217EY*
101A0217ED (Lyophilization)*

The Neisseria Gonorrhoeae Detection Kit (Fluorescence PCR) is an in vitro real-time PCR test for the presumptive qualitative detection of nucleic acid from the Neisseria Gonorrhoeae (NG) DNA.

Specifications

- **Analytical Sensitivity (LoD):** 1000 copies/mL
- **Sample Type:** Male urethral swab and female cervical secretions
- **Storage:** 101A0217EY: -25°C to -15°C
101A0217ED (Lyophilization): 0°C to 35°C
- **Shelf Life:** 12 months from the date of manufacture



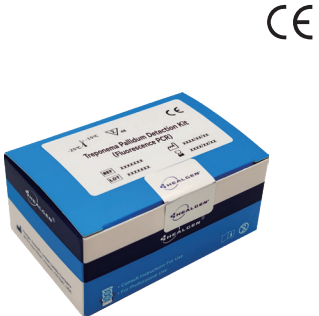
CE

Treponema Pallidum Detection Kit (Fluorescence PCR)
ATP01
ATP01D (Lyophilization)

The Treponema Pallidum Detection Kit (Fluorescence PCR) is a real-time PCR test suitable for the in vitro qualitative detection of Treponema pallidum in the tissue fluid from skin lesions and lymphocentesis fluid from individuals suspected of Treponema pallidum infection.

Specifications

- **Analytical Sensitivity (LoD):** 500 copies/mL
- **Sample Type:** Skin lesions and lymphocentosis fluid
- **Storage:** ATP01: -25°C to -15°C
ATP01D (Lyophilization): 0°C to 35°C
- **Shelf Life:** 12 months from the date of manufacture



CE

Real-time PCR Test Series
Ocular Pathogens
PCR Reagent Kit



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Product Catalogue

Name	Certificate	Size	Catalog No.
Ocular Viral Detection Kit (Fluorescence PCR)	CE	48 tests/kit	AOPV01
Ocular Bacteria Detection Kit (Fluorescence PCR)	CE	48 tests/kit,96 tests/kits	AOPB01
Ocular Fungi Detection Kit (Fluorescence PCR)	CE	48 tests/kit,96 tests/kits	AOPF01

*Upcoming

Detailed information

Ocular Viral Detection Kit (Fluorescence PCR)
AOPV01

The Ocular Viral Detection Kit (Fluorescence PCR) is a rapid real-time RT-PCR test without DNA purification intended for the presumptive qualitative detection of nucleic acid from the Human Adenovirus (HADV), cytomegalovirus (CMV), Herpes simplex virus types 1 and 2 (HSV-1/2) or Varicella zoster virus (VZV) in Aqueous humor, Tears, Conjunctiva swab or Vitreous from individuals suspected of ophthalmic infectious.

Specifications

- **Analytical Sensitivity (LoD):** 500 copies/mL
- **Sample Type:** Conjunctival, corneal, anterior chamber water
- **Storage:** -25°C to -15°C
- **Shelf Life:** 12 months from the date of manufacture



Ocular Bacteria Detection Kit (Fluorescence PCR)
AOPB01

The Ocular Bacteria Detection Kit (Fluorescence PCR) is a rapid real-time PCR test without DNA purification intended for the presumptive qualitative detection of nucleic acid from the Staphylococcus aureus, Staphylococcus epidermis, Streptococcus mitis, Streptococcus pneumoniae, Pseudomonas aeruginosa, Serratia marcescens, Bacillus cereus in aqueous humor, tears, conjunctiva swab or vitreous from individuals suspected of ophthalmic infectious.

Specifications

- **Analytical Sensitivity (LoD):** 1000 CFU/mL
- **Sample Type:** Conjunctival, corneal, anterior chamber water
- **Storage:** -25°C to -15°C
- **Shelf Life:** 12 months from the date of manufacture



Ocular Fungi Detection Kit (Fluorescence PCR)
AOPF01

The Ocular Fungi Detection Kit (Fluorescence PCR) is a rapid real-time PCR test without DNA purification intended for the presumptive qualitative detection of nucleic acid from the Fusarium solani, Fusarium oxysporum, Candida albicans, Aspergillus fumigatus, Aspergillus flavus in aqueous humor, tears, conjunctiva swab or vitreous from individuals suspected of ophthalmic infectious.

Specifications

- **Analytical Sensitivity (LoD):** 1000 CFU/mL
- **Sample Type:** Conjunctival, corneal, anterior chamber water
- **Storage:** -25°C to -15°C
- **Shelf Life:** 12 months from the date of manufacture



Real-time PCR Test Series
Individualized Oncology
PCR Reagent Kit

05



Product Catalogue

Name	Certificate	Size	Catalog No.
EGFR Gene Mutation Detection Kit (PCR Fluorescence Probing)	CE	24 tests/kit	101A0105EY

Detailed information

EGFR Gene Mutation Detection Kit (PCR Fluorescence Probing)
101A0105EY

This reagent is mainly used to qualitatively detect 29 common mutations of EGFR (epithelial growth factor receptor) gene in human lung tissues *in vitro* and can be applied to individualized molecular diagnosis of tumors, so as to guide clinical individualized treatment of tumor patients.

Specifications

- **Sample Type:** FFPE/plasma
- **Storage:** -25°C to -15°C
- **Shelf Life:** 12 months from the date of manufacture



Real-time PCR Test Series

Sample Processing

06



Proper collection, transport and storage of specimen is crucial to obtaining reliable results. Optimal purification and extraction of nucleic acid is equally as vital to obtain accurate results. Our sample processing solutions feature materials and reagents that are compatible with a variety of downstream applications.

Product Catalogue

Name	Certificate	Size	Catalog No.
Viral Nucleic Acid Extraction Kit (Magnetic Beads)	CE	48 tests/kit (Bottled)	SNCE01-AHG48
		96 tests/kit (Bottled)	SNCE01-AHG96
		2 plates/ kit, 8 preps/plate (Pre-packaged)	SNCE02-AHG16
		3 plates/ kit, 16 preps/ plate (Pre-packaged)	SNCE02-AHG48
		96 preps/ 5 plates/ kit (Pre-packaged)	SNCE02-AHG96
Disposable Virus Sampling Tube (including swab)	CE	Oropharyngeal 1.5 mL/tube, 50 tubes	S0104
		Nasopharyngeal 3 mL/tube, 50 tubes	S0107
		Oropharyngeal 1.5 mL/tube, 50 tubes Independent packing	S0108-BT5
		Nasopharyngeal 3 mL/tube, 50 tubes Independent packing	S0109-CN10
Paraffin-embedded Tissue Nucleic Acid Extraction Kit (Magnetic Bead)	RUO	48 tests/kit	/

Real-time PCR Test Series

Sample Processing

06



Viral Nucleic Acid Extraction Kit (Magnetic Beads)

CE

The Viral Nucleic Acid Extraction Kit (Magnetic Beads) is optimized for purification of DNA/RNA from serum, plasma and cell preservation solution. DNA/RNA extracted with this kit can be applied to various downstream applications, such as Real-Time PCR and DNA sequencing. The Lysis Buffer contains a powerful protein denaturant, which rapidly dissolves the protein and releases the nucleic acid. The released nucleic acid components can be attached to magnetic beads. Protein, inorganic salt ions and various organic impurities are removed by repeated washing.

Features

- Purify specimen with a high degree of sensitivity

Specifications

- Storage:** 15°C - 30°C
- Shelf Life:** 12 months from the date of manufacture



Disposable Virus Sampling Tube (including swab)

CE

The Disposable Virus Sampling Tube (including swab) is used for collection, transportation and storage of virus contained within collected specimen.

Features

- Preserve:** Virus within specimen
- Inhibit:** Microbial reproduction
- Ease-of-Use:** Molded breakpoint for swab shaft removal

Specifications

- Storage:** 5°C - 25°C
- Shelf Life:** 12 months from the date of manufacture
- Kit Options:** Oropharyngeal Specimen Collection (S0104)
Nasopharyngeal Specimen Collection (S0107)



Real-time PCR Test Series

Sample Processing

06



The Paraffin-embedded Tissue Nucleic Acid Extraction system suitable for cancer screening, prenatal diagnosis, etc., and the extraction of samples with very low nucleic acid extraction content. The system enables more efficient and flexible automated extraction and purification of nucleic acid DNA/RNA.

Paraffin-embedded Tissue Nucleic Acid Extraction Kit (Magnetic Bead)

The Paraffin-embedded Tissue Nucleic Acid Extraction Kit (Magnetic Bead) is used for the extraction and purification of DNA/RNA from paraffin-embedded tissues. The DNA/RNA extracted using this kit can be used for a variety of downstream applications such as PCR and real-time PCR, gene sequencing, and other genetic testing projects.



Features

- Equipped with fully automated
- More convenience without more investment
- Higher purification concentration and precision

Specifications

- **Storage:** 10°C - 30°C
- **Shelf Life:** 12 months from the date of manufacture

Real-time PCR Test Series

Nucleic Acid Extraction and Purification System

07



MNAP01-E

32
WELLS



* For Research Use Only

HG-N32

Nucleic Acid Purification System

The instrument is bench top devices for DNA and RNA purification by using magnetic separation technology from samples, such as blood, cultured cells, bacteria, cell-free body fluids and plants. The device utilizes magnetic rods to purify nucleic acid through phases of binding, mixing, washing and elution. The automatic workflow is optimized to minimize hands-on time.

Features

- Automated Purification Method
- 7 inch touch screen intuitive operation
- 15-40 minutes extraction protocol
- Heating function in Lysis and elution
- One stop operation to avoid contamination
- Premium magnetic particles leads to high yield

Principle	Magnetic Particle Method	Dimensions	400mm×470mm×450mm
Throughput	1~32	Weight	28Kg
Sample Volume	20μL~1000μL	Precision	CV<5%
Magnetic Rod Number	32	Exhaust	Fan
Temperature Accuracy	±1°C	Power Supply	450W

Real-time PCR Test Series

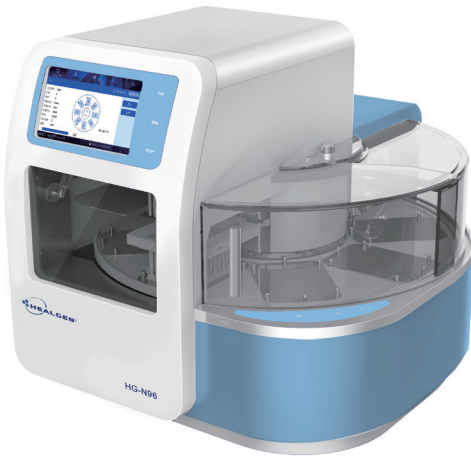
Nucleic Acid Extraction and Purification System

07



MNAP02-E

96
WELLS



* For Research Use Only

HG-N96

Nucleic Acid Purification System

HG-N96 Nucleic Acid Purification System is an automated system for purifying DNA, RNA from a variety of specimen types, such as blood, cells and tissue samples.

- High-throughput: HG-N96 can process 96 samples simultaneously
- Touchscreen interface and easy operation, parameters can be tuned based on experimental requirements
- Anti-contamination measures
- Simple and intelligent operation

Sample Volume	50~1000μL	Storage Capacity	More than 100 programs
Collection Efficiency	>95%	Exhaust	Fan
Precision	CV<5%	Power Supply	450W
Operation	7 inch color touch screen	Throughput	1~96
Contamination Control	UV light	Weight	54Kg

Real-time PCR Test Series

Real-time PCR Instruments

08



MRQP06-E

4 channels
32 wells

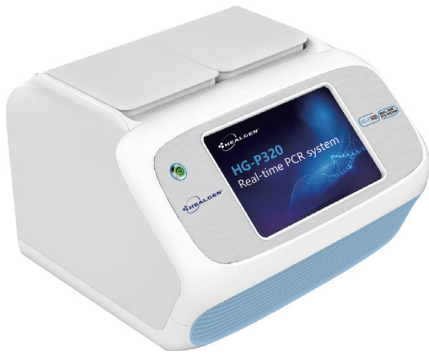


HG-P320

Real-time PCR System

HG-320 Real-time PCR System is a portable fluorescence quantitative PCR using semiconductor technology to quickly implement the PCR amplification process and a high-sensitivity system photoelectric detection to detect the fluorescence signal. It adopts 4 channels and double 16-wells blocks, which can run two different files simultaneously.

- 4 channels and double 16-well blocks design, can run two different programs at the same time.
- Small size, light weight, easy to carry.
- Powerful software analysis function, which can be used for Quantitative Analysis, Melting Curve Analysis, etc.
- 4.7-inch high-definition TFT color touch screen, and embedded operating system.
- The experimental results can be exported directly.



Sample Capacity	32 wells	Measurement Channel Number	4 channels
Reaction Volume	15-100μl	Uniformity	±0.25℃
Temperature Fluctuation	±0.1℃	Excitation Wavelength	470nm-628nm
Accuracy	±0.25℃	Sensitivity	1 copy
Emission Wavelength	525nm-692nm	Weight	8Kg

Real-time PCR Test Series
Real-time PCR Instruments08



MRQP04-E96 wells
4 channels



HG-P960
Real-time PCR System



The HG-P960 utilizes very mature thermoelectric refrigeration technology. The unique constant current power supply and 6-zone independent temperature control method ensure that the product is fast, accurate and stable in fluorescence quantitative analysis. Multi-channel fluorescent excitation is transmitted uniformly throughout each of the 96 sample wells for real time detection of signal amplification via high temperature resistant optical fibers. The HG-P960 offers fully automatic qualitative PCR capability with a completely open system for flexible experimentation.

- Top imaging photoelectric detection
- 6 partition thermal cycling module
- Automatic pop-up sample bin
- Intelligent adjustable hot cover
- Full adaptable software system

Sample Capacity	96 wells	Dimensions	490mm×290mm×391mm
Reaction Volume	10-100μL	Measurement Channel Number	4 channels
Gradient Control	6 zone temperature control	Weight	28Kg
Temperature Accuracy	≤±0.1℃	Power Supply	100-240VAC, 50/60Hz 100VAC
Temperature Range	30-110℃ adjustable, default 105℃	Temperature Uniformity	≤±0.3℃

Rapid RNA/DNA Test Series
Rapid RNA/DNA Test09



The Rapid Test Detection Kits are based on the reverse transcription loop-mediated isothermal amplification (RT-LAMP) or loop-mediated isothermal amplification (LAMP) technology. The amplification process can be monitored by fluorescence detector in real time and a reliable result can be completed in 25 minutes. A reliable positive result can be obtained in 8 minutes.

Product Catalogue

Name	Certificate	Size	Catalog No.
Rapid SARS-CoV-2 RNA Test	CE	5 tests/kit, 25 tests/kit	RCOV01
Rapid Monkeypox Virus DNA Test	CE	5 tests/kit, 25 tests/kit	RMPV01
Rapid Influenza A/B RNA Test	CE	5 tests/kit, 25 tests/kit	RFLU01
Rapid Mycoplasma Pneumoniae DNA Test	CE	5 tests/kit, 25 tests/kit	RMP01*
Rapid Respiratory Syncytial Virus RNA Test	CE	5 tests/kit, 25 tests/kit	RRSV01

*Upcoming

Rapid RNA/DNA Test Series

Rapid RNA/DNA Test

09



Rapid SARS-CoV-2 RNA Test

RCOV01

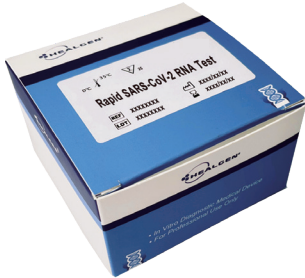
The Rapid SARS-CoV-2 RNA Test is a qualitative *in vitro* nucleic acid RT-LAMP test for the detection of N gene of SARS-CoV-2 virus.

Specifications

- **Analytical Sensitivity (LoD):** 1000 copies/mL
- **Sample Type:** Nasal swab
- **Protocol Duration:** 20 minutes (Positive result can be gotten in 8 minutes)
- **Storage:** 0°C to 35°C
- **Shelf Life:** 18 months from the date of manufacture

Features

- **Fast Detection**
- **High Sensitivity**
- **Simple Operation**



Rapid Monkeypox Virus DNA Test

RMPV01

The Rapid Monkeypox virus DNA Test is a qualitative *in vitro* LAMP test for the detection of Monkeypox virus nucleic acid.

Specifications

- **Analytical Sensitivity (LoD):** 1000 copies/mL
- **Sample Type:** Nasal swab, human pustular or vesicular rash specimens
- **Protocol Duration:** 25 minutes (Positive result can be gotten in 8 minutes)
- **Storage:** 0°C to 35°C
- **Shelf Life:** 18 months from the date of manufacture



Rapid Influenza A/B RNA Test

RFLU01

The Rapid Influenza A/ B RNA Test is a qualitative *in vitro* nucleic acid RT-LAMP test for the detection of influenza A virus or influenza B virus in nasal swab from individuals suspected of influenza.

Specifications

- **Analytical Sensitivity (LoD):** 1000 copies/mL
- **Sample Type:** Nasal swab
- **Protocol Duration:** 25 minutes (Positive result can be gotten in 8 minutes)
- **Storage:** 0°C to 35°C
- **Shelf Life:** 18 months from the date of manufacture



Rapid RNA/DNA Test Series

Rapid RNA/DNA Test

09



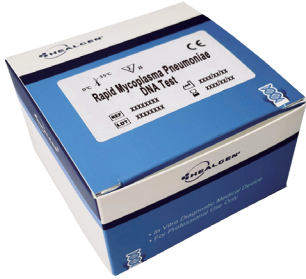
Rapid Mycoplasma Pneumoniae DNA Test

RMP01*

The Rapid Mycoplasma Pneumoniae DNA test is a qualitative *in vitro* nucleic acid LAMP test for the detection of 23S rRNA gene of Mycoplasma Pneumoniae (MP) in nasal swab specimens from individuals suspected of Mycoplasma Pneumoniae infection.

Specifications

- **Analytical Sensitivity (LoD):** 1000 copies/mL
- **Sample Type:** Nasal swab
- **Storage:** 0°C to 35°C
- **Shelf Life:** 18 months from the date of manufacture



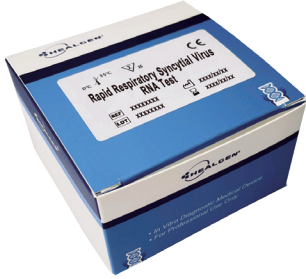
Rapid Respiratory Syncytial Virus RNA Test

RRSV01

The Rapid Respiratory Syncytial Virus RNA test is a qualitative *in vitro* nucleic acid RT-LAMP test for the detection of F gene of RSV A virus and L gene of RSV B virus in nasal swab specimens from individuals suspected of Respiratory Syncytial Virus RNA infection.

Specifications

- **Analytical Sensitivity (LoD):** 1000 copies/mL
- **Sample Type:** Nasal swab
- **Protocol Duration:** 25 minutes (Positive result can be gotten in 8 minutes)
- **Storage:** 0°C to 35°C
- **Shelf Life:** 18 months from the date of manufacture



Rapid RNA/DNA Test Series
Isothermal Amplifier

10



MFIA03-E

2 wells
2 channels



Gene Scoper HG-I202



The product is based on the principle of isothermal amplification and fluorescence monitoring technology and is used with the supporting detection reagent for qualitative *in vitro* detection of human nucleic acid (DNA/RNA) analyzers.

- Small portable unit for easy mobility.
- No operator training is required, and no additional laboratory equipment is required.
- Fast detection: Positive results can be obtained as early as 8 minutes
- Intuitive to interpret.
- Multiple pathogens can be detected on the same machine at the same time.

Dimensions	L118×W114×H121mm
Weight	542g
Reaction Time	6-30 min
Sample Size	2 wells × 1.5mL
Reaction Tubes	DNase and RNase-free 1.5 mL centrifuge tube
Electrical Data	100-240VAC, 50/60 HZ

Reaction Volume	50-100μL
Temperature Control Range	Room Temperature~70°C
Excitation Wavelength	470~600nm
Absorption Wavelength	520~630nm
Fluorescent Detection Dyes	F1: FAM/ SYBR Green I F2: ROX
Data Storage	2000 articles

Rapid RNA/DNA Test Series
Isothermal Amplifier

10



MFIA04-E

4 wells
2 channels



Gene Scoper HG-I204



The product is based on the principle of isothermal amplification and fluorescence monitoring technology and is used with the supporting detection reagent for qualitative *in vitro* detection of human nucleic acid (DNA/RNA) analyzers.

- Small portable unit for easy mobility.
- No operator training is required, and no additional laboratory equipment is required.
- Fast detection: Positive results can be obtained as early as 8 minutes
- Intuitive to interpret.
- Multiple pathogens can be detected on the same machine at the same time.

Dimensions	L206×W133×H130mm
Weight	1093g
Reaction Time	6-30 min
Sample Size	4 wells × 1.5mL
Reaction Tubes	DNase and RNase-free 1.5 mL centrifuge tube
Electrical Data	100-240VAC,50/60 HZ

Reaction Volume	50-100μL
Temperature Control Range	Room Temperature~70°C
Excitation Wavelength	470~600nm
Absorption Wavelength	520~630nm
Fluorescent Detection Dyes	F1: FAM/ SYBR Green I F2: ROX
Data Storage	2000 articles