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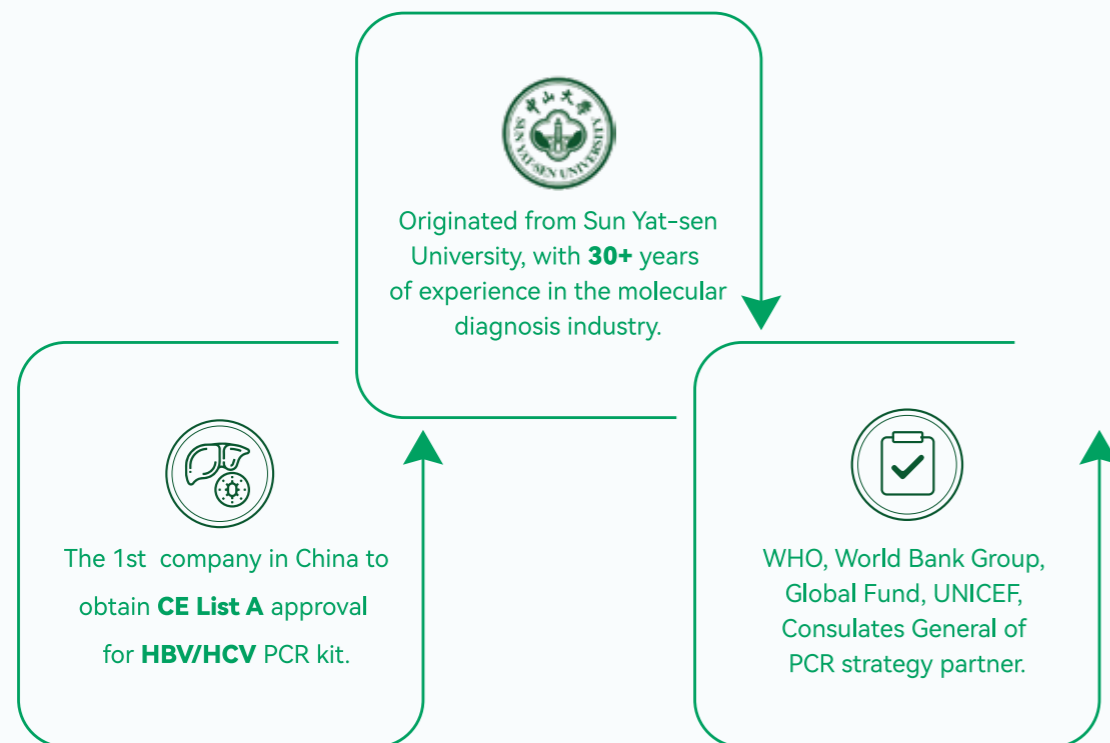
# Product Catalogue

# About Daan Gene

Daan Gene Co., Ltd. is a high-tech biomedical enterprise committed to the R&D, manufacturing and marketing of IVD products relating to disease diagnosis and human health.

Founded in 1993 and headquartered in Guangzhou, China, Daan Gene ranks among China's leading molecular diagnosis companies with its expertise in many core businesses. Apart from developing new diagnostic tests, automatic extractors and real-time PCR systems, its objectives also include producing core raw material, CRMs and setting up service labs to perform clinical analyses for hospitals and individuals.

Today, Daan Gene's innovative molecular diagnostic solutions have helped millions of patients globally. Besides molecular diagnostic technology, the company is also committed to immunological diagnostic technology, biochemical technology, etc. The products involve infectious disease detection, TORCH, precision medicine, blood screening, public health and scientific research services. Multiple product lines are deployed by Daan Gene, making a comprehensive layout in the IVD industry.



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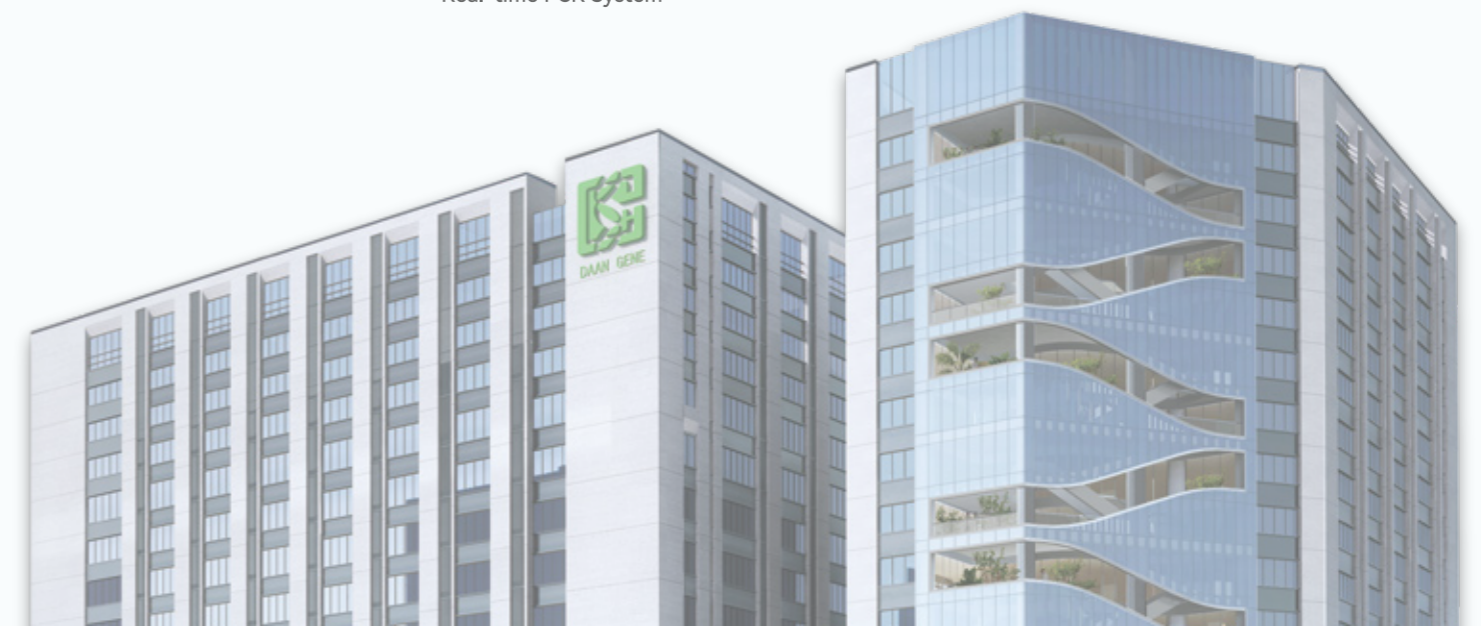
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# PRODUCT LIST

## Real-time PCR Detection Kit

### Hepatitis Virus

Diagnostic Kit for Quantification of Hepatitis B Virus DNA (PCR-Fluorescence Probing)	DA0041	Large package, 48 tests/kit	CE, NMPA
Diagnostic Kit for Quantification of Hepatitis B Virus DNA (PCR-Fluorescence Probing)	DA0032	Large package, 20 tests/kit	NMPA
Hepatitis B Virus Nucleic Acid Assay Kit (PCR-Fluorescence Probing)	DA1280	Large package, 48 tests/kit	NMPA
Diagnostic Kit for Quantification of Hepatitis C Virus RNA (PCR-Fluorescence Probing)	DA0182	Large package, 48 tests/kit	CE, NMPA
Hepatitis C Virus Nucleic Acid Assay Kit (PCR-Fluorescence Probing)	DA1470	Large package, 48 tests/kit	NMPA

### Human papillomavirus (HPV)

HPV (6/11 genotypes) DNA TEST (Real-Time PCR)	DA0530	Large package, 48 tests/kit	CE, NMPA
HPV (16/18 genotypes) DNA TEST (Real-Time PCR)	DA0540	Large package, 48 tests/kit	CE, NMPA

### Sexually Transmitted Infections

Detection Kit for Chlamydia Trachomatis Nucleic Acid (PCR-Fluorescence Probing)	DA1140 DA1141	Large package, 48 tests/kit Large package, 20 tests/kit	CE, NMPA
Diagnostic Kit for Neisseria Gonorrhoeae DNA (PCR-Fluorescence Probing)	DA1190 DA1191	Large package, 48 tests/kit Large package, 20 tests/kit	CE, NMPA
Detection Kit for Ureaplasma Urealyticum Nucleic Acid (PCR-Fluorescence Probing)	DA1120 DA1121	Large package, 48 tests/kit Large package, 20 tests/kit	CE, NMPA

### Human Immunodeficiency Virus (HIV)

Diagnostics Kit for Quantification of Human Immunodeficiency Virus Type 1 (HIV-1) (PCR-Fluorescence Probing)	DA0331	Large package, 48 tests/kit	NMPA
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### Blood Screening

Hepatitis virus B, Hepatitis virus C, Human Immunodeficiency Virus Type-1 Detection Kit (PCR-Fluorescence Probing)	DA0160	Pooled testing, 48 tests/kit Individual test, 48 tests/kit	NMPA
	DA0161	Pooled testing, 96 tests/kit Individual test, 12 tests/kit	
	DA0162	Pooled testing, 24 tests/kit Individual test, 24 tests/kit	
	DA0163	Pre-packaged, 24 tests/kit	

### Respiratory Infections

Detection Kit for Influenza A Virus H1N1 (IVA H1N1) (2009) RNA (PCR-Fluorescence Probing)	DA0220	24 tests/kit	NMPA
Diagnostic Kit for Human Influenza Virus Subtype H1 RNA (PCR-Fluorescence Probing)	DA0290	24 tests/kit	CE, NMPA
Diagnostic Kit for Human Influenza Virus Subtype H3 RNA (PCR-Fluorescence Probing)	DA0300	24 tests/kit	NMPA
Diagnostic Kit for Mycoplasma Pneumoniae (PCR-Fluorescence Probing)	DA1110 DA1111	Large package, 20 tests/kit Large package, 48 tests/kit	CE, NMPA
Detection Kit for Mycobacterium Tuberculosis Complex Nucleic Acid (PCR-Fluorescence Probing)	DA1240 DA1241	Large package, 20 tests/kit Large package, 48 tests/kit	CE, NMPA

### Digestive Pathogens

Detection Kit for Enterovirus 71/Coxsackievirus A16/Enterovirus RNA (PCR-Fluorescence Probing)	DA0320 DA0321	Large package, 10 tests/kit Large package, 48 tests/kit	CE, NMPA
Detection Kit for Enterovirus EV71/Coxsackievirus A16 (PCR-Fluorescence Probing)	DA0350 DA0351	Large package, 10 tests/kit Large package, 48 tests/kit	NMPA
Diagnostic Kit for Coxsackievirus A6 RNA (PCR-Fluorescence Probing)	DA0570 DA0571	Large package, 10 tests/kit Large package, 48 tests/kit	CE, NMPA
Detection Kit for Coxsackievirus A10 (PCR-Fluorescence Probing)	DA0690 DA0691	Large package, 10 tests/kit Large package, 48 tests/kit	NMPA
Detection Kit for Norovirus (PCR-Fluorescence Probing)	DA1150 DA1151	Large package, 48 tests/kit Large package, 10 tests/kit	CE, NMPA

### Public Health

Detection Kit for Zika Virus RNA (PCR-Fluorescence Probing)	DA0710 DA0711	Large package, 24 tests/kit Large package, 48 tests/kit	CE
Diagnostic Kit for Dengue Virus RNA (PCR-Fluorescence Probing)	DA0310 DA0311	Large package, 10 tests/kit Large package, 48 tests/kit	CE, NMPA
Detection Kit for Monkeypox Virus DNA (PCR-Fluorescence Probing)	DA1430 DA1431	Large package, 24 tests/kit Large package, 48 tests/kit	CE
Detection Kit for Severe Fever with Thrombocytopenia Syndrome Bunyavirus (PCR-Fluorescence Probing)	DA0340	Large package, 48 tests/kit	CE, NMPA

## Coronavirus Disease(COVID-19)

Detection Kit for 2019 Novel Coronavirus (2019-nCoV) RNA (PCR-Fluorescence Probing) (Regular)	DA0930	Large package, 24 tests/kit	CE, NMPA
	DA0931	Large package, 48 tests/kit	
	DA0932	Large package, 96 tests/kit	
Detection Kit for 2019-nCoV (PCR-Fluorescence) (Fast)	DA0990	Large package, 24 tests/kit	CE, NMPA
	DA0991	Large package, 48 tests/kit	
	DA0992	Large package, 96 tests/kit	
Detection Kit for Influenza A/B and 2019-nCoV (PCR-Fluorescence Probing)	DA1040	Single tube, 48 tests/kit	CE, NMPA
	DA1041	Large package, 24 tests/kit	
	DA1042	Large package, 48 tests/kit	
Detection Kit for 2019-nCoV (PCR-Fluorescence) (Saliva)	DA1070	Large package, 24 tests/kit	CE
	DA1071	Large package, 48 tests/kit	
	DA1072	Large package, 96 tests/kit	
	DA1073	Single tube, 24 tests/kit	
	DA1074	Single tube, 48 tests/kit	
	DA1075	Single tube, 96 tests/kit	
	DA1076	Large package, 480 tests/kit	
DA1077	Large package, 960 tests/kit		
2019-nCoV Delta Variant Detection Kit (PCR-Fluorescence Probing)	DA1160	Large package, 48 tests/kit	CE
	DA1161	Large package, 96 tests/kit	
Detection Kit for 2019-nCoV (N/E/RDRP Gene)	DA1170	Large package, 48 tests/kit	CE
	DA1171	Large package, 96 tests/kit	
2019-nCoV Omicron Variant Detection Kit (PCR-Fluorescence)	DA1220	Large package, 24 tests/kit	CE
	DA1221	Large package, 48 tests/kit	

## Tumor Markers

Detection Kit for Epstein-Barr Virus Nucleic Acid (PCR-Fluorescence Probing)	DA1250	Large package, 20 tests/kit	CE
	DA1251	Large package, 48 tests/kit	

## TORCH

Detection Kit for Human Cytomegalovirus DNA (PCR-Fluorescence Probing)	DA0700	Large package, 20 tests/kit	NMPA
	DA0701	Large package, 48 tests/kit	
Detection Kit for Herpes Simplex Virus Type 2 DNA (PCR-Fluorescence Probing)	DA1510	Large package, 20 tests/kit.	NMPA
Diagnostic Kit for Group B Streptococcus (PCR-Fluorescence Probing)	DA0850	Large package, 20 tests/kit	NMPA
	DA0851	Large package, 48 tests/kit	

## Pharmacogenomics

CYP2C19 Genotyping Detection Kit (PCR-Fluorescence Probing)	DA0890	Large package, 20 tests/kit	CE, NMPA
	DA0891	Large package, 48 tests/kit	
CYP3A5 Genotyping Detection Kit (PCR-Fluorescence Probing)	DA1500	Large package, 20 tests/kit	NMPA
	DA1501	Large package, 48 tests/kit	
APOE Genotyping Detection Kit (PCR-Fluorescence Probing)	DA1310	Large package, 20 tests/kit	NMPA
	DA1311	Large package, 48 tests/kit	

## VTM

Specimen Preservation Reagent	DA097X	Virus inactivation	CE, NMPA
Specimen Preservation Solution	DA098X	No inactivating ingredients	CE, NMPA

## Nucleic Acid Extraction Kit

### Magnetic Bead

Nucleic Acid Extraction Kit	DA060X	COVID-19	CE, NMPA
Nucleic Acid Isolation or Purification Reagent	DA062X	Hepatitis, STIs, HIV, Influenza, Digestive Pathogens, Public Health, COVID-19, TORCH, etc.	CE, NMPA
RNA/DNA Purification Kit	DA063X	HCV, COVID-19, Influenza	CE, NMPA
RNA/DNA Extraction or Purification Kit	DA064X	Pharmacogenomics	CE, NMPA
RNA/DNA Extraction or Purification Kit	DA065X	HBV, HCV, HIV-1	CE, NMPA
RNA/DNA Extraction or Purification Kit	DA066X	High sensitivity: HBV, HCV, HIV-1	CE, NMPA
Cell-free DNA Extraction or Purification Kit	DA0670	cfDNA	NMPA
Nucleic Acid Isolation or Purification Kit	DA087X	Tuberculosis, MP	CE, NMPA
Nucleic Acid Extraction Kit	DA100X	COVID-19, HBV	CE, NMPA
RNA/DNA Extraction or Purification Kit	DA127X	COVID-19	CE, NMPA
Nucleic Acid Isolation or Purification Kit	DA166X	HBV, HPV	NMPA

### Spin Column

RNA/DNA Purification Kit	DA0591	-	CE, NMPA
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### Release Reagent

RNA/DNA Purification Kit (Preservation)	DA094X	-	CE, NMPA
RNA/DNA Purification Kit (Release)	DA095X	-	CE, NMPA



**Sample Preparation System**

Sample Processing System (Model: Stream DP96)	DA8050	96 tests/run	CE, NMPA
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**Nucleic Acid Extraction System**

Nucleic Acid Extraction Instrument (Model: NAE16)	DA8300	16 tests/run	CE, NMPA
Nucleic Acid Extraction Instrument (Model: Smart32)	DA8030	32 tests/run	CE, NMPA
Nucleic Acid Extraction Instrument (Model: Smart32 Plus)	DA8031	32 tests/run	CE, NMPA
Automatic Nucleic Acid Extraction Instrument (Model: Ballet X3)	DA8042	24 tests/run	CE, NMPA
Automatic Nucleic Acid Extraction Instrument (Model: Stream SP96)	DA8044	96 tests/run	CE, NMPA
Automatic Nucleic Acid Extraction Instrument (Model: Swift96)	DA8045	96 tests/run	CE, NMPA
Automated Nucleic Acid Extraction System	DA3500	48 tests/run, for blood screening	NMPA
Automated Nucleic Acid Extraction System	DA3500S	8-in-1 sample pooling, detect 384 tests/run for blood screening	NMPA
Automated Nucleic Acid Extraction and Analysis System (Model: Stream Insight96)	DA01701	96 samples for extraction, 192 samples for amplification /run	NMPA

**Real-time PCR System**

Real-time PCR Detection System ((Model: Lava96)	DA8120	96 tests/run	CE, NMPA
Real-time PCR Detection System	AGS8830	(8/16) tests/run	CE, NMPA
Real-time PCR Detection System	AGS4800	(48/96/144) tests/run	CE, NMPA

**Hepatitis Virus**

**Background**

Hepatitis B and C are viral infections that attack the liver and can cause both acute and chronic hepatitis, ranging in severity from a mild illness to a serious, lifelong illness including liver cirrhosis and cancer. Hepatitis B and C can also be transmitted through unsafe injections, sexual contact and sharing equipment for injecting drug use, etc. WHO estimates that 354 million people worldwide live with hepatitis B or C, with about 3 million new infections occurring per year. A global hepatitis strategy has been set by WHO aiming to reduce new hepatitis infections by 90% and deaths by 65% between 2016 and 2030.



**HBV/HCV Diagnostic Kits**

Daan's Hepatitis Virus Diagnostic Kits are intended for the quantitative detection of HBV/HCV nucleic acids in human serum or plasma specimens. These kits are based on the real-time fluorescent PCR technique and design specific primers and fluorescence probes that take relatively conserved regions in the viruses' genomes as target regions. These kits have wide linear range and high sensitivity. In addition, internal control is involved to monitor the whole NAT procedure.

**Product Information**

Product Description	Specimen
Diagnostic Kit for Quantification of Hepatitis B Virus DNA (PCR-Fluorescence Probing) (10 IU/mL)	Serum or plasma
Diagnostic Kit for Quantification of Hepatitis B Virus DNA (PCR-Fluorescence Probing) (30 IU/mL)	
Hepatitis B Virus Nucleic Acid Assay Kit (PCR-Fluorescence Probing) (2 IU/mL)	
Diagnostic Kit for Quantification of Hepatitis C Virus RNA (PCR-Fluorescence Probing) (20 IU/mL)	
Hepatitis C Virus Nucleic Acid Assay Kit (PCR-Fluorescence Probing) (10 IU/mL)	

## Diagnostic Kit for Quantification of Hepatitis B Virus DNA (PCR-Fluorescence Probing)

Diagnostic Kit for Quantification of Hepatitis B Virus DNA (PCR-Fluorescence Probing) is intended for the quantitative detection of HBV DNA in human serum or plasma specimens. This kit is based on the real-time fluorescent PCR technique and designs specific primers and fluorescence probes that take relatively conserved regions in the HBV genome as target regions.



CE NMPA

### Specification

Test principle	Quantitative real-time fluorescent PCR
Specimen type	Serum or plasma
Fluorescence channel	FAM, VIC
LOD	10 IU/mL
Linear range	20 IU/mL-1.0×10 <sup>9</sup> IU/mL
Storage and shelf life	-20±5°C, 9 months
Applicable instruments	ABI Prism 7500
Certificate	CE, NMPA

### Order Information

Description	Cat. No.	Specification(Tests/Kit)
Diagnostic Kit for Quantification of Hepatitis B Virus DNA (PCR-Fluorescence Probing)	DA0041	Large package, 48 tests/kit

## Hepatitis B Virus Nucleic Acid Assay Kit (PCR-Fluorescence Probing) Ultra High Sensitivity: 2 IU/mL

For patients with low levels of viremia, especially those with undetectable HBV-DNA, positive HBeAg, abnormal ALT, high HBsAg levels or untreated patients, it is recommended to use a high-sensitivity HBV DNA test so that the timing of antiviral therapy can be more accurately judged, the antiviral effect can be assessed and adverse outcomes can be avoided.



NMPA

- Ultra high sensitivity, LoD is 2 IU/mL
- Dual target amplification for S and C gene region
- Cover HBV genotypes A, B, C, D, E, F, G, H

### Specification

Test principle	Quantitative real-time fluorescent PCR
Specimen type	Serum or plasma
Fluorescence channel	FAM, VIC
LOD	2 IU/mL
Linear range	20 IU/mL-1.0×10 <sup>8</sup> IU/mL
Storage and shelf life	-20±5°C, 12 months
Applicable instruments	ABI 7500, AGS4800
Certificate	NMPA, CE(pending)

### Order Information

Description	Cat. No.	Specification(Tests/Kit)
Hepatitis B Virus Nucleic Acid Assay Kit (PCR-Fluorescence Probing)	DA1280	Large package, 48 tests/kit

## Diagnostic Kit for Quantification of Hepatitis C Virus RNA (PCR-Fluorescence Probing)

Diagnostic Kit for Quantification of Hepatitis C Virus RNA (PCR-Fluorescence Probing) is intended for the quantitative detection of hepatitis C virus (HCV) RNA in human serum or plasma specimens. This kit is based on the real-time fluorescent PCR technique and designs specific primers and fluorescence probes that take relatively conserved regions in the HCV genome as target regions.



CE NMPA

### Specification

Test principle	Quantitative real-time fluorescent PCR
Specimen type	Serum or plasma
Fluorescence channel	FAM, VIC
LOD	20 IU/mL
Linear range	50 IU/mL-1.0×10 <sup>8</sup> IU/mL
Storage and shelf life	-20±5°C, 9 months
Applicable instruments	ABI Prism 7500
Certificate	CE, NMPA

### Order Information

Description	Cat. No.	Specification(Tests/Kit)
Diagnostic Kit for Quantification of Hepatitis C Virus DNA (PCR-Fluorescence Probing)	DA0182	Large package, 48 tests/kit

## Hepatitis C Virus Nucleic Acid Assay Kit (PCR-Fluorescence Probing) High Sensitivity: 10 IU/mL

HCV viral load test can be used to monitor response to treatment, determine whether the virus has been eliminated following treatment, predict how well treatment will work. According to EASL 2020, the endpoint of therapy is undetectable HCV RNA in serum or plasma by an assay with a lower limit of detection ≤15 IU/ml, 12 weeks (SVR12) or 24 weeks (SVR24) after the end of treatment.



NMPA

- 3th WHO International Standard NIBSC 06/100
- Master mix contains Uracil-DNA glycosylase (UDG) and dUTPs
- HCV Genotype covers 1 to 6

### Specification

Test principle	Quantitative real-time fluorescent PCR
Specimen type	Serum or plasma
Fluorescence channel	FAM, VIC
LOD	10 IU/mL
Linear range	20 IU/mL-1.0×10 <sup>9</sup> IU/mL
Storage and shelf life	-20±5°C, 12 months
Applicable instruments	ABI 7500, AGS4800
Certificate	NMPA, CE(pending)

### Order Information

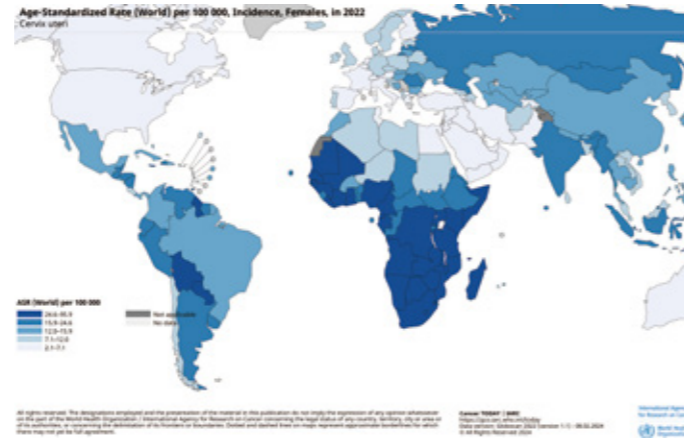
Description	Cat. No.	Specification(Tests/Kit)
Hepatitis C Virus Nucleic Acid Assay Kit (PCR-Fluorescence Probing)	DA1470	Large package, 48 tests/kit

## Human papillomavirus (HPV)

### Background

HPV is the most common viral infection of the reproductive tract and is mainly transmitted through sexual contact. There are more than 100 types of HPV, of which 12 types are cancer-causing (also known as high-risk types). Two of these, HPV 16 and HPV 18, are responsible for at least 70% of cervical cancers and 50% of high-grade cervical pre-cancers. HPV 6 and HPV 11 are low-risk types of HPV, they are linked to approximately 90% of genital warts.

Cervical cancer is the fourth most common cancer in women globally with around 660000 new cases and around 350000 deaths in 2022. To reach the 2030 targets of cervical cancer elimination, WHO encourages countries to use HPV tests for cervical screening.



Source from World Health Organization (WHO)

### HPV Diagnostic Kits

Daan's HPV DNA Diagnostic Kits are intended for qualitative detection of human papillomavirus (HPV) DNA in cervical exfoliated cells and genitourinary secretions specimen. The test method is based on real-time fluorescent PCR technology, which can realize the auxiliary diagnosis of HPV infection.

### Product Information

Product Description	Specimen
HPV (6/11 genotypes) DNA Test (Real-Time PCR)	Cervical exfoliated cells, genitourinary secretions
HPV (16/18 genotypes) DNA Test (Real-Time PCR)	

### DA0530

#### HPV(6/11 genotypes) DNA Test(Real-Time PCR)

<b>Test principle</b>	Qualitative real-time fluorescent PCR
<b>Specimen type</b>	Cervical exfoliated cells, genitourinary secretions
<b>Fluorescence channel</b>	FAM (HPV 6/11 gene detection); VIC (Internal reference gene detection)
<b>LOD</b>	1.0E+04 copies/reaction
<b>Storage and shelf life</b>	-20±5°C, 9 months
<b>Applicable instruments</b>	ABI Prism 7500, AGS4800, LightCycler 480
<b>Specifications</b>	Large package, 48 tests/kit
<b>Certificate</b>	CE, NMPA



### DA0540

#### HPV (16/18 genotypes) DNA TEST (Real-Time PCR)

<b>Test principle</b>	Qualitative real-time fluorescent PCR
<b>Specimen type</b>	Cervical exfoliated cells, genitourinary secretions
<b>Specimen extraction method</b>	Spin column (recommended)
<b>Fluorescence channel</b>	FAM (HPV 16/18 gene detection); VIC (Internal reference gene detection)
<b>LOD</b>	1.0E+04 copies/reaction
<b>Storage and shelf life</b>	Nucleic acid extraction reagent: 18-25°C, 9 months Nucleic acid amplification reagent: -20±5°C, 9 months Proteinase K and Carrier RNA: -20±5°C, 9 months
<b>Applicable instruments</b>	ABI Prism 7500, AGS4800, LightCycler 480
<b>Specifications</b>	Large package, 48 tests/kit
<b>Certificate</b>	CE, NMPA





## Sexually Transmitted Infections

### Background

Sexually transmitted infections (STIs) are infections that are spread predominantly by sexual contact or from mother to child during pregnancy, childbirth, and breastfeeding. STIs have direct impact on sexual and reproductive health through stigmatization, infertility, cancers, and pregnancy complications and can increase the risk of HIV. There are more than 20 types of STIs, including *Chlamydia Trachomatis* (CT), *Neisseria Gonorrhoeae* (NG), HIV/AIDS, *Ureaplasma Urealyticum* (UU), HPV, etc.



### STIs Diagnostic Kit

Daan's STIs Diagnostic Kits are intended for the in vitro qualitative detection of CT/NG/UU nucleic acids in male urethral secretion swab and female cervical secretion swab specimens. These kits are based on the real-time fluorescent PCR technique and design specific primers and fluorescent probes to target the highly conserved coding region of viruses' genes. Internal standard materials are involved in these kits to monitor the whole NAT procedure.

### Product Information

Product Description	Specimen
Detection Kit for <i>Chlamydia trachomatis</i> Nucleic Acid (PCR-Fluorescence Probing)	
Detection Kit for <i>Neisseria gonorrhoeae</i> DNA (PCR-Fluorescence Probing)	Male urethral secretion swab or female cervical secretion swab
Detection Kit for <i>Ureaplasma Urealyticum</i> Nucleic Acid (PCR-Fluorescence Probing)	

## Detection Kit for *Chlamydia trachomatis* Nucleic Acid (PCR-Fluorescence Probing)



This kit is intended for the *in vitro* qualitative detection of *Chlamydia trachomatis* (CT) DNA in male urethral secretion and female cervical secretion swab specimens. This kit uses real-time fluorescent PCR technology in which specific primers and fluorescent probes (FAM channel is CT detection result, VIC channel is internal standard detection result) are designed to target the conserved sequences of the cryptic plasmids of *Chlamydia trachomatis* (CT) for PCR amplification.



### Specification

<b>Test principle</b>	Qualitative real-time fluorescent PCR
<b>Specimen type</b>	Male urethral secretion swab and female cervical secretion swab specimens
<b>Target gene</b>	Conserved sequences of the cryptic plasmids of <i>Chlamydia trachomatis</i> (CT)
<b>Fluorescence channel</b>	FAM, VIC
<b>LOD</b>	400 copies/mL
<b>Storage and shelf life</b>	-20±5°C, 9 months
<b>Applicable instruments</b>	ABI Prism 7500
<b>Certificate</b>	CE, NMPA

### Order Information

Description	Cat. No.	Specification(Tests/Kit)
	DA1140	Large package, 48 tests/kit
Detection Kit for <i>Chlamydia trachomatis</i> Nucleic Acid (PCR-Fluorescence Probing)	DA1141	Large package, 20 tests/kit
	DA1142	Single tube, 20 tests/kit

### Detection Kit for *Neisseria gonorrhoeae* DNA (PCR-Fluorescence Probing)

This kit is intended for the qualitative detection of *Neisseria gonorrhoeae* nucleic acid in male urethral secretion swabs and female cervical secretion swabs. The kit uses real-time fluorescent PCR technology, with specific primers and fluorescent probes designed to bind to the highly conserved region of NG gene coding regions as a target region for PCR amplification, and is used for the qualitative detection of NG DNA in specimens.



CE NMPA

#### Specification

<b>Test principle</b>	Qualitative real-time fluorescent PCR
<b>Specimen type</b>	Male urethral secretion swab, female cervical secretion swab
<b>Target gene</b>	Highly conserved region of NG gene coding regions
<b>Fluorescence channel</b>	FAM, VIC
<b>LOD</b>	748 copies/mL
<b>Storage and shelf life</b>	-20±5°C, 9 months
<b>Applicable instruments</b>	ABI 7500, Roche LightCycler480
<b>Certificate</b>	CE, NMPA

#### Order Information

Description	Cat. No.	Specification(Tests/Kit)
Detection Kit for <i>Neisseria gonorrhoeae</i> DNA (PCR-Fluorescence Probing)	DA1190	Large package, 48 tests/kit
	DA1191	Large package, 20 tests/kit
	DA1192	Single tube, 20 tests/kit

### Detection Kit for *Ureaplasma Urealyticum* Nucleic Acid (PCR-Fluorescence Probing)

This kit is intended for the *in vitro* qualitative detection of *Ureaplasma Urealyticum* (UU) DNA in male urethral secretion and female cervical secretion swab specimens. This kit uses real-time fluorescent PCR technology to target the highly conserved coding region of *Ureaplasma Urealyticum* (UU) gene to design specific primers and fluorescent probes for PCR amplification and conduct rapid qualitative detection of *Ureaplasma Urealyticum* (UU) DNA in specimens.



CE NMPA

#### Specification

<b>Test principle</b>	Qualitative real-time fluorescent PCR
<b>Specimen type</b>	Male urethral secretion swab and female cervical secretion swab specimens
<b>Target gene</b>	Highly conserved coding region of <i>Ureaplasma urealyticum</i> (UU) gene
<b>Fluorescence channel</b>	FAM, VIC
<b>LOD</b>	6.62×10 <sup>2</sup> copies/mL (8.80×10 <sup>2</sup> CCU/mL)
<b>Storage and shelf life</b>	-20±5°C, 9 months
<b>Applicable instruments</b>	ABI 7500, Roche LightCycler480
<b>Certificate</b>	CE, NMPA

#### Order Information

Description	Cat. No.	Specification(Tests/Kit)
Detection Kit for <i>Ureaplasma Urealyticum</i> Nucleic Acid (PCR-Fluorescence Probing)	DA1120	Large package, 48 tests/kit
	DA1121	Large package, 20 tests/kit
	DA1122	Single tube, 20 tests/kit

## Human Immunodeficiency Virus

HIV, the virus that causes AIDS, is one of the world's most serious public health challenges.

WHO estimates worldwide 37.7 million people living with HIV at the end of 2020, 680000 people died from HIV-related causes and 1.5 million people acquired HIV.

HIV-1 is the predominant strain of HIV in the world today. It is easier to transmit and more capable of causing rapid disease progression than HIV-2. Over 99% of HIV infections today are caused by HIV-1.



### Diagnostic Kit for Quantification of Human Immunodeficiency Virus Type 1 (HIV-1)

Daan designed HIV type 1 PCR Diagnostic kit for quantitative measurement of human immunodeficiency virus type 1 RNA content in human serum or plasma. This diagnostic test kit utilizes the reverse transcription-polymerase chain reaction (RT-PCR). It can be used to supervise the therapeutic effect of the auxiliary diagnosis for HIV-1 infection and the drug therapy of HIV-1 infected patients.



#### Specifications

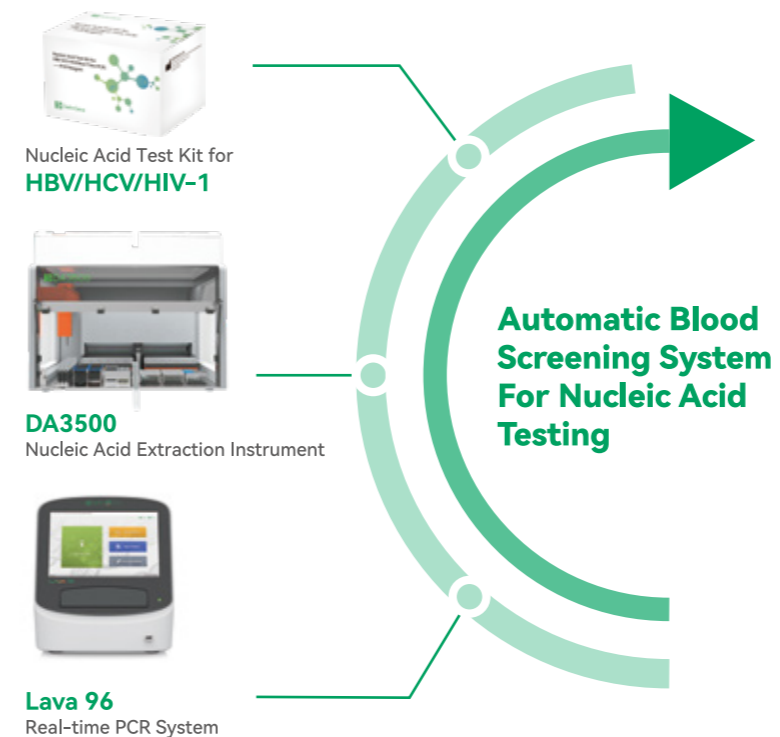
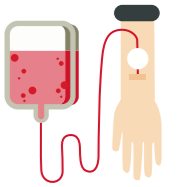
<b>Test principle</b>	Real-time fluorescent PCR
<b>Specimen type</b>	Serum or plasma
<b>Fluorescence channel</b>	FAM, VIC
<b>LOD</b>	100 IU/mL
<b>Linear range</b>	250 IU/mL ~ 1.0×10 <sup>8</sup> IU/mL
<b>Storage and shelf life</b>	-20±5°C, 9 months
<b>Applicable instruments</b>	AGS4800, ABI Prism 7300, ABI Prism 7500, LightCycler480
<b>Certificate</b>	NMPA, CE(Pending)

#### Order Information

Description	Cat. No.	Specification(Tests/Kit)
Diagnostics Kit for Quantification of Human Immunodeficiency Virus Type 1 (HIV-1) (PCR-Fluorescence Probing)	DA0330	Single tube for single test, 48 tests/kit
	DA0331	Large package, 48 tests/kit

## Blood Screening

Blood transfusion is a life-saving intervention that has an essential role in patient management within health care systems, but many patients requiring transfusion do not have timely access to safe blood. WHO recommends that all blood donations should be screened for infections prior to use. Screening for HIV, hepatitis B and hepatitis C should be mandatory. According to the WHO report on blood safety (2018), 12 countries are not able to screen all donated blood for one or more of the above infections.



#### Integrated

Fully automatic sample preparation and nucleic acid extraction in one module to build up a integrated reaction system.

#### Flexible

HBV, HCV and HIV triple independent amplification.

#### No contamination

Rotation technology avoids contamination caused by the violent oscillation. Air filtration system, UV lamp, as well as independent sample pooling and extraction zone prevent cross contamination.

#### Zero waste

Individual cartridge-based extraction consumable meets 1-48 tests per run.

### Nucleic Acid Test Kit for HBV HCV HIV (Real-time PCR)

<b>Methodology</b>	RT-PCR
<b>Quality control</b>	Internal control and UNG enzyme anti-contamination
<b>LOD</b>	1mL single sample: 100 IU/mL, Mixed sample: 500 IU/mL
<b>Quantitative/qualitative</b>	Qualitative
<b>Storage and shelf life</b>	-20±5°C, 12 months



DA016X

## Respiratory Infections

### Background

The common cold and even the flu that interfere with normal breathing are considered respiratory infections and are usually caused by pathogens that attack the respiratory tract. Respiratory infections are contagious and can spread from one person to another by transmitting germs from a cough or sneeze or even touching an object exposed to those germs.

Respiratory infections can lead to a variety of symptoms, including congestion, runny nose, cough, sore throat, body aches, fatigue, etc. Some could cause life-threatening like bacterial pneumonia or tuberculosis (TB).



### Respiratory Infections Diagnostic Kits

Daan's Respiratory Infections Diagnostic Kits are intended for the *in vitro* qualitative detection of several respiratory viruses' nucleic acids in swab specimens or sputum. These kits are based on the real-time fluorescent PCR technique and design specific primers and fluorescent probes to target the highly conserved coding region of viruses' genes. Internal standard materials are involved in these kits to monitor the whole NAT procedure.

### Product Information

Product Description	Specimen
Detection Kit for Influenza A Virus H1N1 (IVA H1N1) (2009) RNA (PCR-Fluorescence Probing)	
Diagnostic Kit for Human Influenza Virus Subtype H1 RNA (PCR-Fluorescence Probing)	Oropharyngeal swabs
Diagnostic Kit for Human Influenza Virus Subtype H3 RNA (PCR-Fluorescence Probing)	
Diagnostic Kit for <i>Mycoplasma pneumoniae</i> DNA (PCR-Fluorescence Probing)	Oropharyngeal swabs or sputum
Detection Kit for <i>Mycobacterium Tuberculosis</i> Complex Nucleic Acid (PCR-Fluorescence Probing)	Sputum or bronchoalveolar lavage fluid

## Detection Kit for *Mycobacterium Tuberculosis* Complex Nucleic Acid (PCR-Fluorescence Probing)



### Intended Use

This kit is used for *in vitro* qualitative detection of the nucleic acid of *mycobacterium tuberculosis* complex in human sputum and bronchoalveolar lavage fluid specimens. *Mycobacterium tuberculosis* can invade the susceptible body through the respiratory tract, digestive tract or damaged skin, causing the infection of a variety of tissues and organs, among which pulmonary tuberculosis accounts for more than 80% of various types of tuberculosis, and is the main type of tuberculosis.

### Specification

<b>Test principle</b>	Real-time fluorescent PCR
<b>Specimen type</b>	Sputum or bronchoalveolar lavage fluid
<b>Fluorescence channel</b>	FAM (IS6110), VIC (internal control)
<b>Detection type</b>	<i>M. tuberculosis</i> (main causative agent), <i>M. bovis</i> , <i>M. africanum</i> , <i>M. microti</i>
<b>Process time</b>	About 95 minutes
<b>CV</b>	≤5%
<b>LOD</b>	1 bacterium/mL
<b>Storage and shelf life</b>	-20±5°C, 9 months
<b>Applicable instruments</b>	AGS4800, ABI 7500, LightCycler480
<b>Certificate</b>	CE, NMPA

### Order Information

Description	Cat. No	Specification (Tests/Kit)
Detection Kit for <i>Mycobacterium Tuberculosis</i> Complex Nucleic Acid (PCR-Fluorescence Probing)	DA1240	Large package, 20 tests/kit
	DA1241	Large package, 48 tests/kit
	DA1242	Single tube, 20 tests/kit

## Digestive Pathogens

### Background

Digestive pathogen is a general definition for a group of viruses including enterovirus and norovirus. These viruses are often found in the respiratory secretions and stools of infectors and affect millions of people worldwide each year.

HFMD is caused by enterovirus infection and has been a common epidemic among children, its main manifestations are ulcerative herpes of oral mucosa and vesicular rashes on extremities. The main pathogens of HFMD are CA16 and EV71, in recent years, CA6 and CA10 have become major causes of HFMD outbreaks worldwide.

Norovirus is one of the major pathogens responsible for acute and infectious diarrhea in adults and children in communities. It is usually spread by the fecal-oral route and results in about 685 million cases of disease and 200,000 deaths globally a year.



### Detection Kit for Children Fever and Rashes, Hand-Foot-and-Mouth disease

Daan's Detection Kits for Children Fever and Rashes, Hand-Foot-and-Mouth disease are used for the *in vitro* detection of enterovirus in multi-type of specimens from HFMD patients or suspected patients by PCR fluorescence probing technology, and can be used to distinguish among Enterovirus 71 (EV71), Coxsackievirus A16 (CA16) and Coxsackievirus A6 (CA6).

### Detection Kit for Norovirus RNA

Daan's Detection Kit for Norovirus RNA is intended for the qualitative detection of norovirus RNA in feces specimens from patients. Using real-time fluorescence PCR technology, this kit contains specific primers and fluorescent probes designed to target the highly conserved regions of gene coding regions of noroviruses GI, GII, and GIV.

### Product Information

Product Description	Specimen
Detection Kit for Enterovirus 71/Coxsackievirus A16/Enterovirus RNA (PCR-Fluorescence Probing)	Feces, throat swabs, anal swabs
Detection Kit for Enterovirus EV71/Coxsackievirus A16 (PCR-Fluorescence Probing)	Feces, throat swabs, anal swabs
Diagnostic Kit for Coxsackievirus A6 RNA (PCR-Fluorescence Probing)	Human throat swabs
Detection Kit for Coxsackievirus A10 (PCR-Fluorescence Probing)	Human throat swabs
Detection Kit for Norovirus RNA (PCR-Fluorescence Probing)	Feces

## Public Health

### Background

Public health is the public utilities related to a country or a region of the people's health. It contains the prevention, monitoring, and treatment of serious diseases, especially infectious diseases. Accurate, reliable, and high-throughput diagnostic solutions are vital to helping individuals, societies, and healthcare combat public health emergency events. Daan Gene has always been at the forefront with its efforts in the prevention and control of new and sudden outbreaks of infectious diseases, such as Dengue virus, Zika virus, Mpox and Bunyavirus.



### Detection Kits for diseases of public health significance

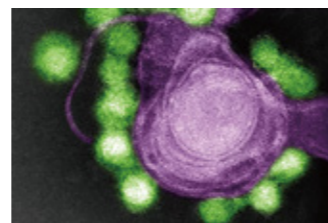
Daan's detection kits for diseases of public health significance are intended for the *in vitro* detection of infectious disease pathogens' nucleic acids in different types of specimens. These kits are based on the real-time fluorescent PCR technique and design specific primers and fluorescent probes to target the highly conserved coding regions of the viruses. Internal standard materials are involved to monitor the whole NAT procedure.

### Product Information

Product Description	Specimen
Detection Kit for Zika Virus RNA (PCR-Fluorescence Probing)	Serum, plasma, saliva, and urine
Diagnostic Kit for Dengue Virus RNA (PCR-Fluorescence Probing)	Serum
Detection Kit for Monkeypox Virus DNA (PCR-Fluorescence Probing)	Rashes, scabs, vesicle fluid, pustule fluid, and whole blood specimens
Detection Kit for Severe Fever with Thrombocytopenia Syndrome Bunyavirus (PCR-Fluorescence Probing)	Serum

## Detection Kit for Zika Virus RNA (PCR-Fluorescence Probing)

The product is intended for qualitative detection of the specific fragment of NS1 gene of Asian and African lineage Zika viruses in serum, plasma, saliva, and urine specimens from individuals with an epidemiological history and symptoms including fever, rash, arthralgia, or conjunctivitis that are difficult to explain by other reasons.



Reference: SHERBROOKE CONNECTIVITY IMAGING LAB/SCIENCE PHOTO LIBRARY



### Specifications

<b>Test principle</b>	Real-time fluorescent PCR
<b>Specimen type</b>	Serum, plasma, saliva, urine
<b>Fluorescence channel</b>	FAM, VIC
<b>LOD</b>	50 copies/mL
<b>Storage and shelf life</b>	-20±5°C, 9 months
<b>Applicable instruments</b>	ABI 7300, ABI 7500, LightCycler480
<b>Certificate</b>	CE

### Order Information

Description	Cat. No.	Specification(Tests/Kit)
Detection Kit for Zika Virus RNA (PCR-Fluorescence Probing)	DA0710	Large package, 24 tests/kit
	DA0711	Large package, 48 tests/kit

## Diagnostic Kit for Dengue Virus RNA (PCR-Fluorescence Probing)

The kit is used for the qualitative detection of Dengue virus (DV) RNA (including four serotypes: I, II, III, IV) in human serum specimen. The kit uses real-time fluorescent PCR technology, takes the high conservative region of the DV gene coding region as the target region, to design specific primers and fluorescent probes, and performs PCR amplification for qualitative detection of DV RNA in the specimen.



### Specifications

<b>Test principle</b>	Real-time fluorescent PCR
<b>Specimen type</b>	Serum
<b>Fluorescence channel</b>	FAM, VIC
<b>LOD</b>	1.5×10 <sup>1</sup> TCID <sub>50</sub> /mL
<b>Storage and shelf life</b>	-20±5°C, 12 months
<b>Applicable instruments</b>	ABI 7500, Roche LightCycler480
<b>Certificate</b>	CE, NMPA

### Order Information

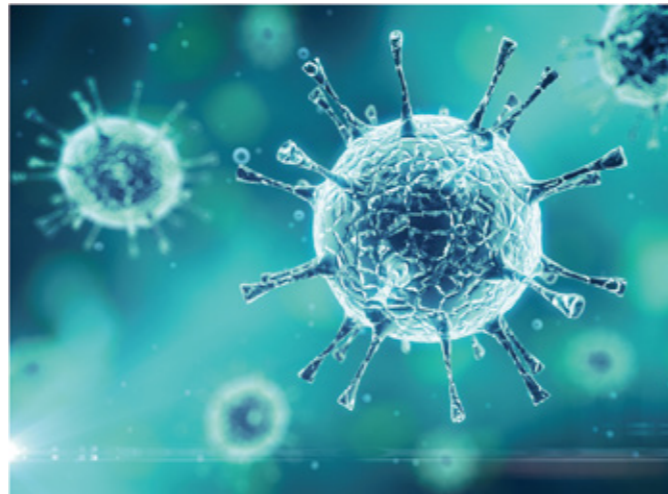
Description	Cat. No.	Specification(Tests/Kit)
Diagnostic Kit for Dengue Virus RNA (PCR-Fluorescence Probing)	DA0310	Large package, 10 tests/kit
	DA0311	Large package, 48 tests/kit
	DA0312	Single tube, 10 tests/kit

## Coronavirus Disease (COVID-19)

### Background

COVID-19 is an infectious disease caused by the SARS-CoV-2 virus, a virus of the species severe acute respiratory syndrome-related coronavirus. SARS-CoV-2 primarily spreads between people through close contact and via aerosols and respiratory droplets. In addition, as the nature of RNA viruses to evolve and change gradually, SARS-CoV-2 has mutated over time, resulting in genetic variation in the population of circulating viral strains over the course of the COVID-19 pandemic.

COVID-19 symptoms range from undetectable to deadly, but most commonly include fever, dry cough, and fatigue. Severe illness is more likely in elderly patients and those with certain underlying medical conditions. Mutations have also produced many strains (variants) with varying degrees of infectivity and virulence.



### Coronavirus Diagnostic Kit

Daan's Coronavirus Diagnostic Kits are intended for in vitro detection of SARS-CoV-2 targeted gene in different specimen types like oropharyngeal swabs, nasopharyngeal swabs, sputum, and saliva. These kits are based on RT-PCR technology, and compatible with mainstream types of PCR instruments. Endogenous internal control and UDG enzyme are involved in these kits to guarantee accuracy.

### Product Information

Product description	Specimen
Detection Kit for 2019 Novel Coronavirus (2019-nCoV) RNA (PCR-Fluorescence Probing) (Regular)	Throat swab, sputum
Detection Kit for 2019-nCoV (PCR-Fluorescence) (Fast)	Throat swab, sputum
Detection Kit for Influenza A/B and 2019-nCoV (PCR-Fluorescence Probing)	Throat swab, sputum
Detection Kit for 2019-nCoV (PCR-Fluorescence) (Saliva)	Throat swab, sputum, saliva
Detection Kit for 2019-nCoV (E/N/RDRP Gene)	Oropharyngeal swab, nasopharyngeal swab, sputum
2019-nCoV Delta Variant Detection Kit (PCR-Fluorescence Probing)	Oropharyngeal swab, nasopharyngeal swab, saliva
2019-nCoV Omicron Variant Detection Kit (PCR-Fluorescence Probing)	Oropharyngeal swabs, nasopharyngeal swabs, sputum

### DA093X

#### Detection Kit for 2019 Novel Coronavirus (2019-nCoV) RNA (PCR-Fluorescence Probing) (Regular)

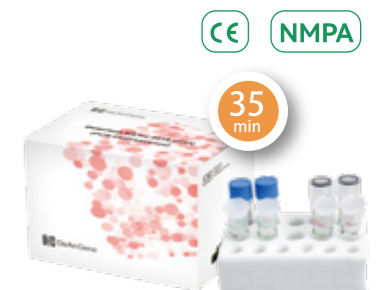
Target	ORF1ab gene, N gene
Sample type	Throat swab, sputum
LOD	100 copies/mL
Storage and shelf life	-20±5°C, 9 months
Compatible instrument	ABI 7500, LightCycler480, AGS4800, QuantStudio™ 5, SLAN-96P



### DA099X

#### Detection Kit for 2019-nCoV (PCR-Fluorescence)(Fast)

Target	ORF1ab gene, N gene
Sample type	Throat swab, sputum
LOD	200 copies/mL
Storage and shelf life	-20±5°C, 9 months
Compatible instrument	AGS8830, AGS4800, ABI 7500



### DA104X

#### Detection Kit for Influenza A/B and 2019-nCoV (PCR-Fluorescence Probing)

Target	2019-nCoV	N gene, ORF1ab gene
	Flu A / Flu B	M gene
LOD		500 copies/mL
Sample type		Throat swab and sputum
Storage and shelf life		-20±5 °C, 9 months
Compatible instrument		ABI 7500



## Tumor Markers

### Background

Tumor markers, also called biomarkers, are substances found in your blood, urine, or body tissue. They may refer to proteins that are made by both healthy cells and cancer cells in the body and may also refer to mutations, changes, or patterns in a tumor's DNA. They are used in oncology to help detect the presence of cancer. PCR can detect tumor marker-expressing cells that are otherwise undetectable by other means in patients with localized or metastatic cancer.



### Detection Kit for Epstein-Barr Virus Nucleic Acid (PCR-Fluorescence Probing)

This kit is intended for the quantitative detection of Epstein-Barr virus (EBV) DNA. This kit is based on the real-time PCR technique and designs specific primers and fluorescent probes to target the highly conserved coding region of EBV gene. Internal standard materials are involved to monitor the whole NAT procedure and reduce the occurrence of false-negative results.



### Specifications

<b>Test principle</b>	Real-time fluorescent PCR
<b>Specimen type</b>	Human serum, plasma, and whole blood specimens
<b>Fluorescence channel</b>	FAM (EBNA1 gene), VIC (Exogenous internal control)
<b>LOD</b>	1.0×10 <sup>2</sup> IU/mL (equivalent to 2.68×10 <sup>2</sup> copies/mL)
<b>Linear range</b>	2.0×10 <sup>2</sup> IU/mL - 2.0×10 <sup>8</sup> IU/mL
<b>Storage and shelf life</b>	-20±5°C, 9 months
<b>Applicable instruments</b>	ABI 7500, Roche LightCycler480, AGS4800
<b>Certificate</b>	CE

### Order Information

Description	Cat. No.	Specification(Tests/Kit)
	DA1250	Large package, 20 tests/kit
Detection Kit for Epstein-Barr Virus Nucleic Acid (PCR-Fluorescence Probing)	DA1251	Large package, 48 tests/kit
	DA1252	Single tube, 20 tests/kit

## TORCH

TORCH infections are a group of congenital infections that are passed from mother to child at some time during pregnancy, during delivery, or after birth. TORCH is an acronym representing infections caused by Toxoplasma gondii, other agents, rubella, cytomegalovirus (CMV), and herpes simplex virus (HSV).

Daan's real-time PCR kits are used for detecting the nucleic acid of TORCH, which can help prevent complications in newborns by early detection of an infection.



### DA070X

#### Detection Kit for Human Cytomegalovirus DNA (PCR-Fluorescence Probing)

<b>Test principle</b>	Real-time fluorescent PCR
<b>Specimen type</b>	Serum or urine
<b>Fluorescence channel</b>	FAM (HCMV DNA), VIC(IC)
<b>LoD</b>	1.0×10 <sup>2</sup> IU/mL (equivalent to 3.75×10 <sup>2</sup> copies/mL)
<b>Linear range</b>	2.0×10 <sup>2</sup> IU/mL-2.0×10 <sup>8</sup> IU/mL
<b>Clinical compliance</b>	1214 Clinical sample: Positive rate: 96.89%, negative rate: 94.30%, total: 95.47%. κ=0.909 (p<0.001)
<b>Storage and shelf life</b>	-20±5°C, 9 months
<b>Applicable instruments</b>	ABI 7500, LightCycler 480 II, DA7600, AGS4800
<b>Certificate</b>	NMPA

### DA1510

#### Detection Kit for Herpes Simplex Virus Type 2 DNA (PCR-Fluorescence Probing)

<b>Test principle</b>	Real-time fluorescent PCR
<b>Specimen type</b>	Male urethral secretions, female cervical secretions samples
<b>Fluorescence channel</b>	FAM (HSV II), VIC/HEX(IC)
<b>LoD</b>	1.0×10 <sup>2</sup> copies/mL
<b>Clinical compliance</b>	1410 Clinical sample: Positive rate: 100%, negative rate: 100%, total: 100%
<b>Storage and shelf life</b>	-20±5°C, 9 months
<b>Applicable instruments</b>	ABI Prism 7500, Roche LightCycler480, DA7600
<b>Certificate</b>	NMPA



## Pharmacogenomics(PGx)

Pharmacogenomics (PGx) aims to study genetic polymorphisms that affect individual differences in drug response, involving genes encoding drug metabolism enzymes, transporters, targets, etc. These genetic variations can affect drug concentrations in the body and drug sensitivity of target tissues. Therefore, the detection and analysis of these genomic biomarkers can help guide precise clinical medication, predict drug efficacy and the occurrence of adverse drug reactions, and guide the development and application of new drugs.



### Pharmacogenomics Diagnostic Kits

Daan's Pharmacogenomics Diagnostic Kits adopt ARMS-PCR method to detect specific allele in human whole blood samples to predict blood drug concentration, drug efficacy and adverse drug reactions, and is used to guide drug selection and dose adjustment to achieve the purpose of individualized treatment.

Gene	Allele	LoD	Medication	Clinical application
CYP2C19	*2, *3, *17	0.5 ng/μL	Clopidogrel, Antidepressants	Cardiovascular diseases(CVDs) , Depression
CYP3A5	*3	0.5 ng/μL	Tacrolimus	Organ transplant rejection
APOE	E2, E3, E4	1 ng/μL	Statin	Alzheimer's disease, Hyperlipoproteinemia, Cardiovascular diseases(CVDs)

### Order Information

Description	Cat. No.	Specification (Tests/Kit)
CYP2C19 Genotyping Detection Kit (PCR-Fluorescence Probing)	DA0890	Large package, 20 tests/kit
	DA0891	Large package, 48 tests/kit
CYP3A5 Genotyping Detection Kit (PCR-Fluorescence Probing)	DA1500	Large package, 20 tests/kit
	DA1501	Large package, 48 tests/kit
APOE Genotyping Detection Kit (PCR-Fluorescence Probing)	DA1310	Large package, 20 tests/kit
	DA1311	Large package, 48 tests/kit

## Specimen Preservation Reagent (Virus inactivation )

This kit is used for the preservation of tissue and cytopathological analysis specimen.



### Order Information

Description	Cat. No.	Specification (Tests/Kit)
Specimen Preservation Reagent	DA0970	1.5 mL/tube, 100 tubes/kit
	DA0971	3 mL/tube, 100 tubes/kit (5mL tube)
	DA0972	3 mL/tube, 100 tubes/kit (10mL tube)
	DA0973	5 mL/tube, 100 tubes/kit
	DA0974	10 mL/tube, 50 tubes/kit
	DA0975	500 mL/bottle, 1 bottle/kit
	DA0976	6 mL/tube, 100 tubes/kit
	DA0977	9 mL/tube, 50 tubes/kit
	DA0978	11 mL/tube, 50 tubes/kit (30mL tube)
	DA0979	12 mL/tube, 50 tubes/kit (30mL tube)

## Specimen Preservation Solution (No inactivating ingredients)

It is used for preservation of tissue and cytopathology analysis specimens.



### Order Information

Description	Cat. No.	Specification (Tests/Kit)
Specimen Preservation Solution	DA0980	1 mL/tube, 100 tubes/kit (2mL tube)
	DA0981	3 mL/tube, 100 tubes/kit (5mL tube)
	DA0982	3 mL/tube, 100 tubes/kit (10mL tube)
	DA0983	6 mL/tube, 100 tubes/kit (10mL tube)
	DA0984	9 mL/tube, 50 tubes/kit
	DA0985	10 mL/tube, 50 tubes/kit
	DA0986	11 mL/tube, 50 tubes/kit (30mL tube)
	DA0987	12 mL/tube, 50 tubes/kit (30mL tube)



# Nucleic Acid Extraction Kit

## Nucleic Acid Extraction Kit (Magnetic Bead)

Magnetic bead is a simple and reliable method of purifying DNA/RNA. Under optimized conditions, DNA/RNA selectively binds to the surface of magnetic beads, while other contaminants stay in solution. After washing and elution, purified DNA/RNA can then be used directly in down-stream molecular biology applications.

### Features

- High sensitivity, wide linear range.
- High magnetic beads acquisition rate.
- Good repeatability.
- Wide range of application.

### Order Information

Description	Cat. No.	Specification(Tests/Kit)
Nucleic Acid Extraction Kit (Magnetic Bead)	DA0600	Large package, 96 tests/kit
	DA0601	Pre-packaged, 20 tests/kit
	DA0602	Pre-packaged, 32 tests/kit
	DA0603	Pre-packaged, 96 tests/kit
Nucleic Acid Isolation or Purification Reagent (Magnetic Bead)	DA0604	Large package, 480 tests/kit
	DA0620	Large package, 20 tests/kit
	DA0621	Large package, 96 tests/kit
	DA0622	Pre-packaged, 20 tests/kit
	DA0623	Pre-packaged, 32 tests/kit
	DA0624	Pre-packaged, 96 tests/kit
RNA/DNA Purification Kit (Magnetic Bead)	DA0625	Dual-well pre-packaged, 32 tests/kit
	DA0626	Single pre-packaged, 32 tests/kit
	DA0630	Large package, 20 tests/kit
	DA0631	Large package, 96 tests/kit
RNA/DNA Purification Kit (Magnetic Bead)	DA0632	Pre-packaged, 20 tests/kit
	DA0633	Pre-packaged, 32 tests/kit
	DA0634	Single pre-packaged, 32 tests/kit



# Nucleic Acid Extraction Kit

Description	Cat. No.	Specification(Tests/Kit)
RNA/DNA Extraction or Purification Kit (Magnetic Bead) (Tissue)	DA0640	Large package, 20 tests/kit
	DA0641	Large package, 96 tests/kit
	DA0642	Pre-packaged, 20 tests/kit
	DA0643	Pre-packaged, 32 tests/kit
RNA/DNA Extraction or Purification Kit (Magnetic Bead)	DA0650	Pre-packaged, 20 tests/kit
	DA0651	Pre-packaged, 48 tests/kit
RNA/DNA Extraction or Purification Kit (Magnetic Bead)	DA0660	Pre-packaged, 20 tests/kit
	DA0661	Pre-packaged, 48 tests/kit
Cell-free DNA Extraction or Purification Kit (Magnetic Bead)	DA0662	Pre-packaged, 48 tests/kit
	DA0670	Large package, 96 tests/kit
Nucleic Acid Isolation or Purification Kit (Magnetic Bead) (for sputum sample)	DA0870	Large package, 20 tests/kit
	DA0871	Large package, 96 tests/kit
	DA0872	Pre-packaged, 20 tests/kit
Nucleic Acid Extraction Kit (Magnetic Bead)	DA0873	Pre-packaged, 32 tests/kit
	DA1000	Large package, 96 tests/kit
	DA1001	Pre-packaged, 20 tests/kit
	DA1002	Pre-packaged, 32 tests/kit
RNA/DNA Extraction or Purification Kit (Magnetic Bead) (Proteinase K-free)	DA1003	Pre-packaged, 96 tests/kit
	DA1004	Large package, 480 tests/kit
	DA1270	Large package, 96 tests/kit
	DA1271	Large package, 480 tests/kit
Nucleic Acid Isolation or Purification Kit (Magnetic Bead)	DA1272	Pre-packaged, 20 tests/kit
	DA1273	Pre-packaged, 32 tests/kit
	DA1274	Pre-packaged, 96 tests/kit
	DA1275	Pre-packaged, 480 tests/kit
Nucleic Acid Isolation or Purification Kit (Magnetic Bead)	DA1660	Large package, 96 tests/kit
	DA1661	Pre-packaged, 20 tests/kit
	DA1662	Pre-packaged, 32 tests/kit
Nucleic Acid Isolation or Purification Kit (Magnetic Bead)	DA1663	Pre-packaged, 96 tests/kit

## RNA/DNA Purification Kit (Spin Column)

Spin column-based nucleic acid purification is a solid phase extraction method to quickly purify nucleic acids.



### Order Information

Description	Cat. No.	Specification(Tests/Kit)
RNA/DNA Purification Kit (Spin Column)	DA0590	20 tests/kit
	DA0591	48 tests/kit

## RNA/DNA Purification Kit (Release Reagent)

This kit is used for the collection and preservation of virus specimens. Combining the function of inactivation, lysis and nucleic acid extraction, it can handle the specimen from collecting to nucleic releasing in one process. The released DNA or RNA can be used directly as a PCR template for amplification.



### Order Information

Description	Cat. No.	Specification(Tests/Kit)	
RNA/DNA Purification Kit (Preservation)	DA0940	400 µL/tube, 100 tubes/kit (1.5 mL tube)	
	DA0941	400 µL/tube, 100 tubes/kit (5 mL tube)	
	DA0942	3 mL/tube, 100 tubes/kit (5 mL tube)	
	DA0943	3 mL/tube, 100 tubes/kit (10 mL tube)	
	DA0944	6 mL/tube, 100 tubes/kit (10 mL tube)	
	DA0945	1 mL/tube, 100 tubes/kit (5 mL tube)	
	DA0946	4 mL/tube, 100 tubes/kit (5 mL tube)	
	DA0947	5 mL/tube, 100 tubes/kit (10 mL tube)	
	DA0948	7 mL/tube, 100 tubes/kit (10 mL tube)	
	DA0949	2 mL/tube, 100 tubes/kit (5 mL tube)	
	RNA/DNA Purification Kit (Release)	DA0950	400 µL/tube, 100 tubes/kit
		DA0951	25 µL/tube, 100 tubes/kit
		DA0952	1.2 mL/tube, 100 tubes/kit

## Stream DP96

Sample Processing System (Model: DA8050)



- Automated sample transfer processing system.
- Independent dual-channel pipetting modules.
- Transfer 96 samples in 25 minutes.
- Integrate process: tube decapping, barcode scanning, sample transfer, reagent dispensing and tube recapping.
- Safe: high efficiency filtration system/UV light.
- Unique: compatible with one-tube method/ sample pooling mode.



## NAE16

Nucleic Acid Extraction Instrument (Model: DA8300)

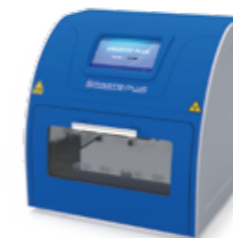


- 16 samples can be extracted in 11 minutes
- Bench-top portable device, only 10 kg
- One-touch operation, LED status display
- Equipped with UV sterilization lamp to avoid contamination.
- Wide application for specimens: serum, plasma, whole blood, tissue and swab



## Smart 32/Smart 32 Plus

Nucleic Acid Extraction Instrument (Model: DA8030/DA8031)



- 32 samples can be extracted in 10 minutes.\*
- Touch screen, bench-top instrument.
- Defaulted program, reliable performance.
- Double independent heating modules improve the extraction rate.
- Anti cross-contamination design: UV light, high-precision motion control and disposable consumables.

\*Smart 32 Plus with Rapid Nucleic Acid Extraction Kit DA060X



**Swift96**

Automatic Nucleic Acid Extraction Instrument (Model: DA8045)



- High-throughput and automated nucleic acid extraction adopting magnetic bead technology.
- Extract and purify nucleic acid 1-96 samples in 16 minutes.\*
- Visualized interface, touch screen, editable program, easy to operate.
- Magnetic beads recovery rate  $\geq 98\%$ .
- Anti-contamination: exhaust airflow circulation, UV light.

\*Rapid Nucleic Acid Extraction Kit DA1003.

**Stream SP96**

Automatic Nucleic Acid Extraction Instrument (Model: DA8044)



- Fully-automatic nucleic acid extraction and PCR reaction preparation.
- High-throughput: 96 samples can be extracted in 18 minutes.\*
- High-precision liquid handling technology.
- Anti-contamination: HEPA filter system, 100% exhaust airflow circulation, UV disinfection.
- Flexible: 9 kinds of PCR reaction can be set up in one run.
- 2 extraction modules running individually.

\*Rapid Nucleic Acid Extraction Kit DA060X.

**DA3500/DA3500S**

Automated Nucleic Acid Extraction System



- Maximum sample volume is 5000uL, especially suitable for blood sample extraction
- 2 independent extraction modules, throughput 24 samples/module
- Walk-away automation, automated liquid level and clot detection
- Anti-contamination: UV light/Air exhaust system
- Optional automated pooling module (DA3500S)

**AGS8830-8/AGS8830-16**

Real-time PCR Detection System



- Fast: get results in 35 minutes collocating with DA099X/DA107X.
- Throughput: 8 or 16 samples
- LCD touch screen, intelligent operation interface, 5.5 kg portable instrument.
- Accurate temperature control: advanced semiconductor refrigeration technology.
- Application scenarios: laboratory, emergency room, ambulance, clinic, pharmacy, customs, airport.

**Lava 96**

Real-time PCR Detection System (Model: DA8120)



- 12.1 inches color touch screen, intelligent Linux software.
- Support FAM/VIC/ROX/Cy5 fluorescent channels.
- Precise temperature control, ultra-fast heating rate above 4.5°C/s.
- Advanced optical system, only 10 seconds to complete fluorescence scanning of 96-well plate.
- High performance: sensitivity as low as 1 copy, CV $\leq 3\%$ .

**Stream Insight 96**

Automated Nucleic Acid Extraction and Analysis System



- Fully-automated workstation based on magnetic bead technology
- Anti-contamination: UV light and 3 independent areas: sample decapping, nucleic acid extraction and amplification
- Automated sealing and collection of amplified PCR tube
- Throughput: Extract 96 samples and amplify 192 samples per run

