DaAnGene

HPV
Product Catalog



DaAnGene

PCR method

HPV18
Human Papillomavirus DNA TEST Kit (PCR-Fluorescence)

- 15 high-risk types: 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 68, 73, 82 (MM4)
- 3 suspected high-risk types: 26, 53, 66

NMPA

Introduction

HPV DNA TEST (PCR-Fluorescence) (HPV 18) is designed for in vitro detection of 18 HPV types in cervical cell specimens with use of dual channel fluorescence PCR technique. This kit can determine whether presence or absence of 18 HPV types simultaneously in a cervical sample. It is a kind of qualitative test reagent and cannot be used for typing test.



Features

- **Easy to operate:** NO need to open sample tube during the whole process.
- **Efficient:** Detection of multiple HPV genotypes in one single reaction.
- **Reliable result:** Dual-channel PCR detection.
- **High throughput:** 96 samples per run.
- **High sensitivity and good specificity:** Sensitivity: 98.43%, specificity: 98.91%

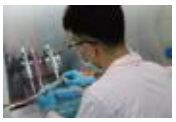
Procedure



Preparation
10-30 mins



Sample collection
10 mins



Sample extraction
10-15 mins



PCR application
1.5-2.0 hours



Result analysis
10 mins

Specification

Sample type	Cervical exfoliated cells and secretion in genitourinary tract.
Sample test range	1.0E+04 -1.0E+07 copy/reaction
Cross reaction	No cross reaction with other HPV genotypes and other pathogens with similar species or result.
Total coincidence rate	99.5%
Storage and valid	-20±5°C, 9 months
Applicable instrument	ABI Prism 7500, ABI Prism 7300, Light Cycler 480

HPV28

Detection Kit for Human Papillomavirus Genotyping (PCR-reverse dot blot)

- 15 high-risk types: 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 68, 73, 82 (MM4)
- 3 suspected high-risk types: 26, 53, 66
- 10 low-risk types: 6, 11, 40, 42, 43, 44, 54, 61, 81 (cp8304), 83 (MM7)

NMPA

Introduction

The 28 HPV Detection Kit for Human Papillomavirus Genotyping (PCR-reverse dot blot) is a qualitative PCR based in vitro test for detection and determination of 28 specific HPV types in cervical specimens. This kit is optimized to detect 15 high-risk HPV DHA, 3 suspected HPV DNA and 10 low-risk types.



Features

- **Accurate:** Accurate genotyping be able to distinguish the HPV genotypes.
- **Efficient:** Detect 28 genotypes in a single reaction.
- **Flexible:** Compatible with a wide range of automatic hybridization instruments.

Procedure


Preparation
10-30 mins


Sample collection
10 mins


Sample extraction
30mins


PCR application
1.5-2.0 hours


hybridization
30 mins


Result analysis
10 mins

Specification

Sample type	Cervical exfoliated cells and secretion in genitourinary tract.
Total coincidence rate	100%
Precision	CV⩽ 50%
Valid	6 months
Storage condition & Validity	Extraction reagent at room temperature; PCR reagents stored at -20 ± 5 °C; reverse point hybridization reagents stored at 2 ~ -8 °C.
Applicable Hybridization instrument (Optional)	LBP3124/48, LBP3696
Applicable PCR instrument	AGS9600, ABI9700, ABI2720, PTC-200PCR

Fully automatic nucleic acid molecular hybridization instrument

Automatic hybridization instrument is suitable for a high-throughput and high-efficiency nucleic acid molecular hybrid equipment of various directional point hybrid experiments (such as genotyping, genotyping, genetic mutation detection, pathogen detection and other fields). Realize the full automation and standardization of nucleic acid molecular hybridization, and greatly shorten the total time of nucleic acid molecular hybridization.

Sample volume	96 samples
Temperature range	RT-50 °C, adjustable
Maximum temperature of incubator	⩽45 °C
Temperature Precision	±0.5 °C
Sample added volume	⩽3ml
Voltage	AC 220V±V10%
Power	500W
Dimension (L*W*H)	950*600*400 mm
Weight	50kg

LBP-3696



Diagnostic Kit for Human Papillomavirus (Type 6 and 11) DNA (PCR-Fluorescence)

This product is suitable for qualitative detection of human papillomavirus (HPV)6,11 DNA in genitourinary tract secretions, genital tract hhraping, tissue biopsy specimens infected cells.

Principle

This kit takes encoding area of the main shell protein L1 gene in the HPV (HPV) type 6 (GenBank serial number: AF092932) genome as the target region. It uses real-time fluorescence quantitative PCR technique to detect DNA type 6,11 (HPV) in real time.

Features

- **High sensitivity:** The sensitivity of this kit to the specimen is 2.5×10^3copies.
- **High Precision:** Repeated tests maintained a small coefficient of variation in CT values.
- **Reliable result:** Internal control and quality control.

Specification

Type of Analysis	Qualitative
Technology	Real-time PCR
Package	20 tests/kit(Single pipe)
Applicable specimen type	Cotton swabs of genitourinary tract secretions, genital tract scraping, tissue biopsy specimens
Cross reaction	No clinical cross reaction with CT(Bedsonia trachomatis), NG(Diplococcus gonorrhoeae), UU(Ureaplasma urealyticum) and other subtypes of HPV
Storage and valid	-20 °C, 6 months
Compatible instruments	PEGeneAmp5700、ABIPrism7700、DA-7600、LineGene、iCycler(Single pipe)

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

This kit is used to qualitatively detect human papillomavirus (HPV) type 16 and type 18 deoxyribonucleic acid (DNA) in cervical exfoliated cells and genitourinary secretions specimens.

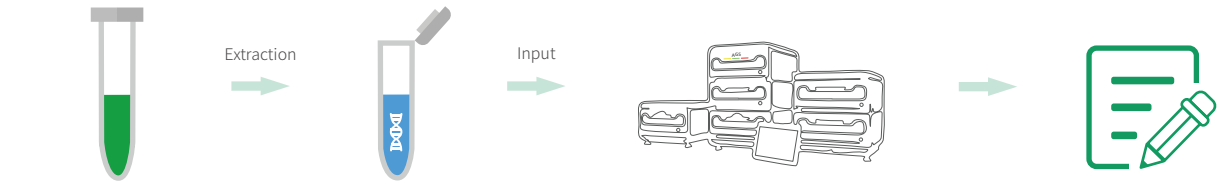
Principle

This kit takes encoding area of the main shell protein L1 gene in the HPV (HPV) type 6 (GenBank serial number: AF092932) genome as the target region. It uses real-time fluorescence quantitative PCR technique to detect DNA type 6,11 (HPV) in real time.

Features

- **High specificity and consistency:** Hot start technology minimizes non-specific reactions.
- **Reliable result:** Closed-tube PCR method, internal control and quality control.
- **Rapid:** Processing time 1.5-2 hours

Procedure



Cervical Exfoliated Cells | DNA | PCR detection | Result analysis

Specification

Type of Analysis	Qualitative
Technology	Real-time PCR
Package	48 tests/kit
Applicable specimen type:	Cervical exfoliated cells, genitourinary secretions.
Cross reaction	No cross reaction with other HPV genotypes and other pathogens with similar species or result.
Storage and valid	-20±5 °C, 9 months
Compatible instruments	ABI Prism 7500, ABI Prism 7300, Light Cycler 480

Liquid-Based preparation system



LBP-2524

Automatic Sample Processor

The LBP automatic sample processor is designed for the pre-processing of cervical cells and sputum specimens.
It adopts a touch-screen operating system and a high precision optical positioning system, which provides an accurate motion control for sample batch transferring and centrifugation.

NMPA

Features

Highly Automatic
Fully automatic operation from batch processing, transferring, centrifuging to separation

Intelligent
Microcomputer control/
Accurate centrifuge positioning/
Customized centrifuge program

Efficient
24 samples/25 minutes

Safe
Automatic waste-liquid removal/
Disposable consumables

Specification

Throughput	1-24 samples/batch
Processing time	24 samples/25 minutes
Transfer volume	8mL
Mixed times	8 times
Tip position	24
Pipette position	24
Centrifuge tube position	24
Certificates	NMPA

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LBP-2212

Liquid based cytology Production Machine

LBP-2212 is an automatic machine for preparing pathological cytology slides as well as staining. Based on the principle of liquid based cytology, LBP-2212 can process 1 to 12 samples at the same time within half an hour. It is more suitable for hospital and laboratory with small test volume.

CE NMPA



Features

Turnable design

Utilization of centrifugal force to discharge waste liquid

Automatic

Automatic slide preparation and staining

Consumable list

Hematoxylin stain solution	Centrifuge tube	Transfer tips	Filter
Adhesion microscope slide	Settling chamber	Buffer solution	Coverslip
EA/ORANGE-G Combo STAIN	Preservative fluid	Cervical brush	Soft pipette



Specification

Principle	Sedimentation
Sample type	Cervical cells, sputum cells, serosal cavity effusion cells, needle aspiration cell, endoscopic cell, etc
Throughput	1-12 samples/batch
Processing time	30 minutes for 12 samples
Dimension	640mmX412mmX680mm (L, W, H)
Weight	65kg
Certificates	CE, NMPA



LBP-2848

All-In-One Specimen Slicing & Staining Unit

The All-In-One (AIO) Specimen Slicing & Staining Unit is a highly automated machine for slide preparation and staining of cell smears before pathological analysis. By adopting the advanced technology of sedimentation liquid-based cytology, LBP-2848 can process 1 to 48 samples within 50 minutes.

NMPA

Features

High throughput
48 samples/batch

Efficient
4 pipettes working at the same time

Intelligent
Touch-screen monitor/ Timing start/One-button cleaning

Reliable
Disposable tips and dripping style staining design to avoid blockage

Consumable list

Hematoxylin stain solution	Centrifuge tube	Transfer tips	Coverslip
Adhesion microscope slide	Settling chamber	Buffer solution	Extracting solution
EA/ORANGE-G Combo STAIN	Preservative fluid	Cervical brush	



Specification

Principle	Sedimentation
Sample type	Cervical cells, sputum cells, serosal cavity effusion cells, needle aspiration cell, endoscopic cell, etc
Throughput	1-48 samples/batch
Processing time	50 minutes for 48 samples
Dimension	1200mmX700mmX660mm (L, W, H)
Weight	100kg
Certificates	NMPA

Workflow

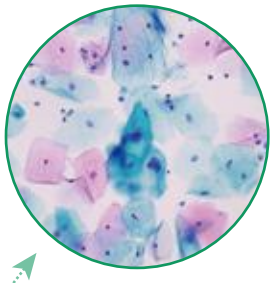
Specimen collection



Centrifugation
LBP-2524



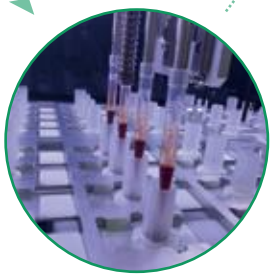
View under a microscope



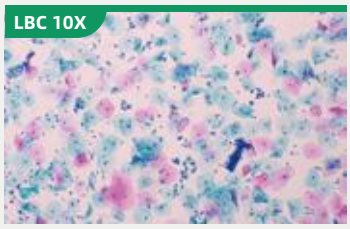
Sample preparation
LBP-2524



Slide staining
LBP-2212/2848

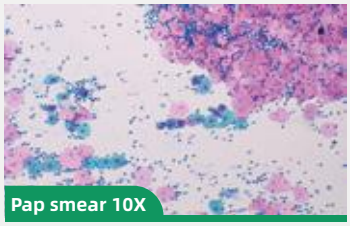


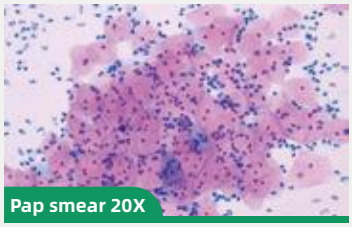
Comparison between LBC slides and conventional Pap smear

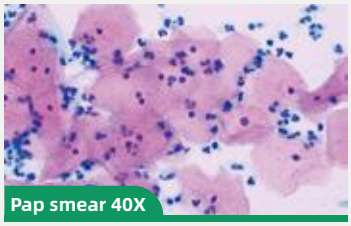












Advantages of LBC slides

100%

100% of cells

Detachable heads cervical brushes ensure that the intact cells arrive at the lab

Cell enrichment

Remove interfering materials, transferring only the most diagnostically relevant material to the slide

3D

3D cellular structure

Maintain 3D structure of the cells

Independent staining

Independent dripping style staining to avoid cross contamination

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https://en.daangene.com/

CHINA (Headquarters)

Da An Gene Co., Ltd of Sun Yat-sen University
Address: No.19, Xiangshan Road, Science Park,
High & New Technology Development District,
Guangzhou, Guangdong, P.R. China
Tel.: +86-20-32068126
Fax: +86-20-32068352
Email: marketing@daangene.com

CANADA office

Add.: #200-505 Kingsway, Burnby, B.C.,
Canada,V5H 4H2
Tel.: +1604 451 7588
Fax: +604451.7587
Email: gbai@daangene.net