



HPV Venus

Uterine Cervix Cancer of High-Risk HPV Genotype Related Real Time PCR Kit

The fastest yet reliable method for HPV screening and genotyping!



The analysis is performed automatically with the specially designed real time PCR software

Well	Channel	Sample Type	Target Name	Ct Value	Interpretation
A1	1	Unkown	HPV16	No Ct	HPV16 -
	2	Unkown	HPV56	24.51	HPV56 ++
	3	Unkown	HPV31	20.07	HPV31 +++
	4	Unkown	IC	30.86	
B1	1	Unkown	HPV18	No Ct	HPV18 -
	2	Unkown	HPV52	28.51	HPV52 ++
	3	Unkown	HPV58	No Ct	HPV58 -
	4	Unkown	HPV68	No Ct	HPV68 -
C1	1	Unkown	HPV35	No Ct	HPV35 -
	2	Unkown	HPV45	No Ct	HPV45 -
	3	Unkown	HPV33	30.76	HPV33 ++
	4	Unkown	HPV66	No Ct	HPV66-
D1	1	Unkown	HPV39	No Ct	HPV39 -
	2	Unkown	HPV51	No Ct	HPV51 -
	3	Unkown	HPV59	No Ct	HPV59 -
	4	Unkown	HPV82	31.72	HPV82 +

Specialist of Real Time PCR Kits & Instruments

Liferiver is a leading PCR-based molecular diagnostics solution provider, developing, manufacturing & marketing real-time PCR diagnostic kits as well as instruments. We offer over 300 types of testing kits covering infectious disease, genetic disease, tumor & others. Our products are available in more than 70 countries. With offices in both China & US, we are compliant with ISO13485. Most of our products are CE marked.



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Product Introduction:

Liferiver's fully automated Uterine Cervix Cancer of High-Risk HPV Genotype Related Real Time PCR Kit is an in vitro molecular diagnostic kit for genotyping and relatively quantifying 15 high-risk Human Papillomavirus (16, 18, 58, 33, 45, 31, 52, 35, 39, 59, 51, 56, 68, 66 and 82) in genital swabs with a multiplex real time PCR assay.

A genomic single-copy gene MNBH is employed as calibrator to get relatively quantified result of each HPV genotype, which is also taken as internal control to monitor false negative. When coupled with AUTRAX (Automated Workstation for Nucleic Acid Extraction & Reagent Preparation) and LIFE 96 Real Time PCR System, the result can be developed automatically and it takes only 2 hours from sample handling to result generation. Liferiver's Uterine Cervix Cancer of High-Risk HPV Genotype Related Real Time PCR Kit provides a simple while fast solution for HPV screening and genotyping.

Product Features:

Genotype 15 HR HPV Types

Designed and optimized to detect and genotype 15 high-risk HPV types: 16, 56, 31, 18, 52, 58, 68, 35, 45, 33, 39, 51, 59, 66 and 82

Relatively Quantify 15 HR HPV Types

Relative quantification with calibration of specially designed internal control

Automatic Analysis

Results analyzed automatically with LIFE 96 Real Time PCR System

Quick Process

Only 2 hours from sample handling to result generation

Reliable Result

A genomic gene used as internal control to monitor false negative

High Specificity

No cross-reaction with HPV11, 53, 61, 67, 70, 71, 81 and other HPV types

Certified Product

CFDA approved and CE marked

Kit Contents:

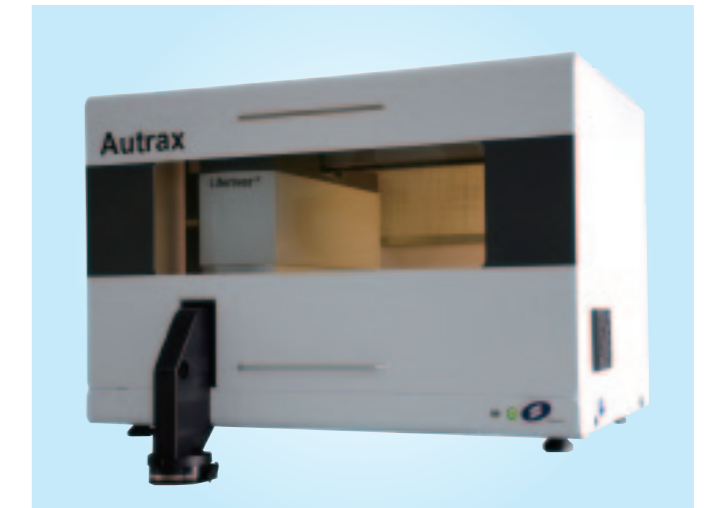
Binding buffer
Washing buffer A
Washing buffer W
Elution buffer
Magnetic beads
Proteinase K
HPV16, 56, 31, IC reaction mix
HPV18, 52, 58, 68 reaction mix
HPV35, 45, 33, 66 reaction mix
HPV39, 51, 59, 82 reaction mix
Hot-start DNA polymerase
HPV positive control
Molecular grade water
Disposable cervical cell collector if required (#OHC0149)
Cell storing solution if required (#PR-0001)



Simple Workflow:



Specimen Collection



Nucleic Acid Extraction & Reagent Preparation



Real Time PCR Amplification

Genomic Single-Copy Gene MNBH Used as Internal Control and Calibrator

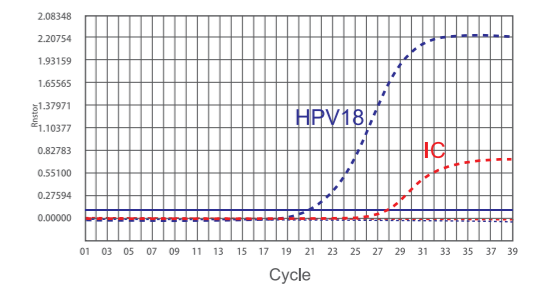
1. As Internal Control:

- To confirm sufficient number of epithelial cells are in the collected sample
- To identify inhibitors are present in the specimen
- To monitor false negative

2. As Calibrator:

- To get relatively quantified result

※ The HPV DNA loads vary widely along with a patient's number of cervical epithelial cells collected by the doctor



Which sample has a higher DNA load?

	Type	Original Ct Value	Calibrated Ct Value		Type	Original Ct Value	Calibrated Ct Value
Sample 1	HPV 16	20	30	Sample 2	HPV 16	20	19
	MNBH	18	28		MNBH	29	28

By calibrating with MNBH, we conclude that Sample 2 has a higher HPV DNA load.

Quantification is meaningful, only with the same level of cervical epithelia cells!