

## VIASURE High-Risk Human Papilloma Virus Real Time PCR Detection Kit

▶▶ Human papillomavirus (HPV) is a non-enveloped, double-stranded DNA virus that infects human skin and mucosal epithelial cells. It is part of the *Papillomaviridae* family, and more than 200 genotypes have been identified, 14 of them are known as "high-risk" in a causal relation with cervical cancer, and with a significant proportion of neoplasms in the genital and oropharyngeal areas. These high-risk HPVs are: 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, and 68. HPV16 and 18 are associated with approximately 70% of human cancers cervix.

▶▶ Persistent infection with high-risk HPV (especially genotype 16) can lead to the development of cervical, genital, and oropharyngeal cancer. Due to this correlation, the presence of high-risk HPV could be used as a biomarker for this type of neoplasm.

Currently, HPV molecular tests are used for cervical cancer screening in parallel with cervical cytology or as a primary cervical cancer screening test, and for screening for abnormal cell changes in the cervix, uterus, which can lead to cervical cancer.

▶▶ Accuracy in the detection of HPV is becoming increasingly important in:

1. Cervical cancer screening programs, which help both to control the expansion and the investigation of its epidemiological behavior.
2. In the evaluation of the efficacy of HPV vaccines.
3. In the investigation of the role of HPV infection during the diagnosis of other diseases, as well as the prognostic / prediction potential of HPV infection for the application of different types of antiviral treatment.



"Ready & Easy-to-use" kits.  
**Lyophilised product**



Transport and storage at **room temperature**.  
**Shelf-life: 24 months**



Validated according to **ISO 13485**  
and **CE marked**



## VIASURE High-Risk Human Papilloma Virus Real Time PCR Detection Kit

**VIASURE High-Risk Human Papilloma Virus Real Time PCR Detection Kit** is designed for the simultaneous qualitative detection of DNA from 14 high risk Human papillomavirus (HPV: types 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, and 68) as well as the identification of the two main HPVs, HPV 16 and HPV 18, from cervical samples (liquid base solution for cytology) of individuals suspected of infection by high-risk HPV, by their healthcare professional (HCP).

**This test is intended for use as an aid in the detection of infection caused by high-risk HPV, as well as the identification of HPV 16 and HPV 18, in combination with clinical and epidemiological risk factors.**

DNA is extracted from clinical specimens, amplified using real time PCR, and detected using fluorescent reporter dye probes specific for high-risk HPV DNA.

### Analytical sensitivity

▶ **VIASURE High-Risk Human Papilloma Virus Real Time PCR Detection Kit** has a detection limit of 10 DNA copies per reaction for HPVs 31, 33, 35, 39, 45, 51, 52, 56, 59 and 68; and 50 DNA copies per reaction for HPVs 16, 18, 58 and 66 (Figures 4-17).

### References - VIASURE High-Risk Human Papilloma Virus Real Time PCR Detection Kit -

6 x 8-well strips, low profile \_\_\_\_\_ VS-HRP106L

12 x 8-well strips, low profile \_\_\_\_\_ VS-HRP112L

1 x 8-well strips, low profile \_\_\_\_\_ VS-HRP101L

9 x 4-well strips, Rotor-Gene® \_\_\_\_\_ VS-HRP136

FORMATO TUBO: 4 tubes x 24 reactions \_\_\_\_\_ VS-HRP148T

6 x 8-well strips, high profile \_\_\_\_\_ VS-HRP106H

12 x 8-well strips, high profile \_\_\_\_\_ VS-HRP112H

1 x 8-well strips, high profile \_\_\_\_\_ VS-HRP101H

2 x 4-well strips, Rotor-Gene® \_\_\_\_\_ VS-HRP101

For more information and use procedure, read the instructions for use included in this product.

**CerTest**  
BIOTEC

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