

Human Papillomavirus Nucleic Acid Amplification Test Kit

Fluorescent Probe-Based Real-Time PCR Assay

HPV (Human Papillomavirus) is a highly contagious virus with multiple strains, among which high-risk types like HPV-16 and HPV-18 are strongly linked to cancers such as cervical and anal cancer. Although early infection often shows no symptoms, persistent HPV infection can lead to cellular changes, increasing the risk of cancer development.

WHO recommends HPV testing for women aged 30 and older, with screening intervals of every 5 to 10 years. HPV testing plays a critical role in identifying high-risk infections early, enabling timely intervention to effectively prevent cancer progression. Additionally, widespread HPV testing helps inform vaccination strategies, reduces transmission rates, and promotes overall public health.

Testing Principle

This kit is designed for the qualitative detection of 14 HPV genotypes, including types 16, 18/45, or other types (31, 33, 35, 39, 51, 52, 56, 58, 59, 66 and 68) from the samples of women's cervical shedding cells. The primers and fluorescent probes are specifically designed in the L1 loci of the HPV genome.



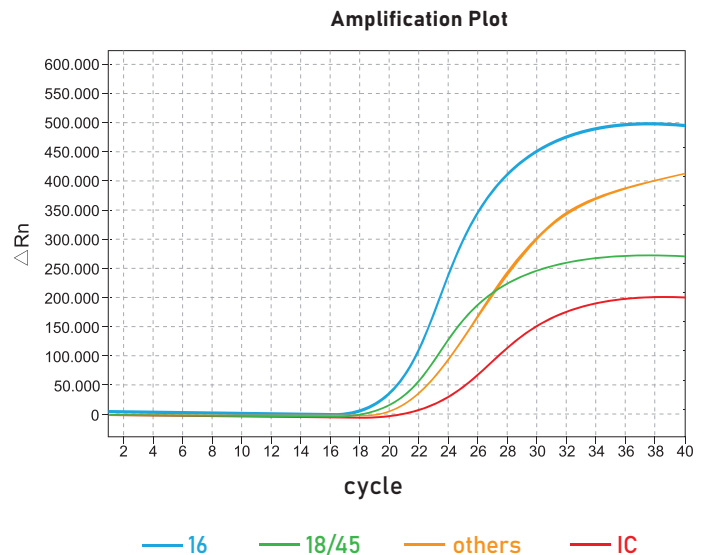
Product Features

- High Sensitivity: The limit of detection of the kit is as low as 500 copies/mL.
- High Specificity: No cross-reactivity among the tested HPV genotypes.
- Lyophilized Format: Provide superior stability and extended shelf life.
- User-friendly: Simply rehydrate lyophilized reagent with minimal contamination.

Recommended Thermal Cyclers

- Applied Biosystems™ 7500 Real-Time PCR System
- Stratagene MX 3000P Real-Time PCR System
- BioRad CFX96 Real-Time PCR System
- Other Real-Time Thermal Cyclers which could detect FAM, HEX/VIC and CY5 simultaneously

Sample Results



Ordering Information

Cat No.	Product Name	Format	Shelf Life	Kit Size	Certification
S02701T2048	Human Papillomavirus Nucleic Acid Amplification Test Kit	Lyophilized	24 Months	48 Tests/Box	CE
S02701T2096				96 Tests/Box	

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