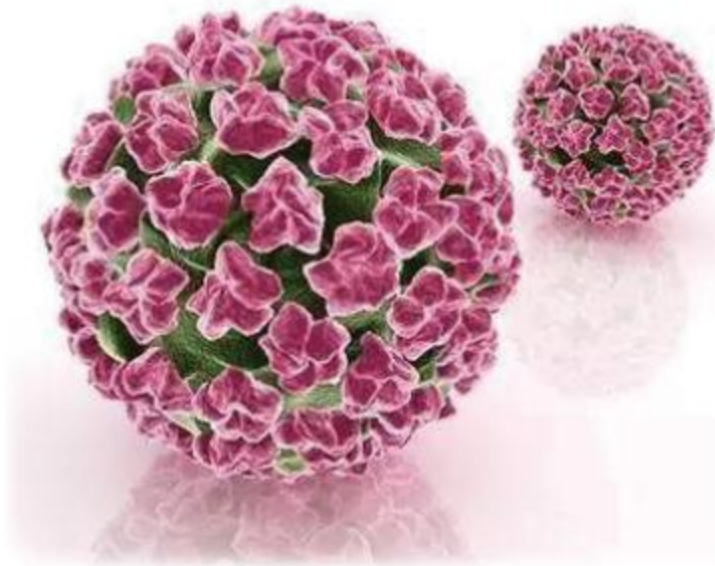


Human papillomavirus 16 & 18 DNA Detection Products

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Human papillomavirus (HPV) is an epitheliophilic virus that causes cervical cancer. It has more than 100 subtypes, 13 of which are high-risk types and the rest are low-risk types. Persistent infection with high-risk HPV types is the cause of many malignancies, including cervical cancer. Infection with low-risk HPV types usually causes a variety of proliferative lesions, such as pointed condyloma (see table below). HPV infection also leads to immune deficiency and triggers other secondary pathologies. In particular, HPV-16 and HPV-18 are the main types that cause cervical cancer, accounting for 65% to 75% of cervical cancers worldwide. Therefore, the rapid detection of these two viruses is of great significance. Skygen has developed a series of products to detect the DNA of HPV-16 and HPV-18.



HPV type is closely related to the type of disease caused.

Common clinical diseases caused by HPV and the subtypes

Flat Warts	3, 10, 27, 28, 41
Common Warts	1, 2, 4, 7, 27, 29, 40, 54
Epidermodysplasia Verruciformis	5, 8, 12, 14, 15, 17, 19, 25, 38, 46, 47, 49, 50
Genital Warts	6, 11, 16, 18, 31, 33, 34, 35, 39, 51, 64-68, 70, 73
Bowenoid Papulosis	16, 18, 39, 42
Cervical Intraepithelial Neoplasia	6, 11, 16, 18, 31, 33, 35, 43, 44, 51, 56, 58, 61
Invasive Cervical Cancer	16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 68, 70
Penile Cancer	16, 18
Vulvar Cancer	16, 18

Skygen™ HPV-16 & HPV-18 DNA Detection Products(a partial list)

Product Name	Catalog Number
Human Papillomavirus18 Colorimetric LAMP Kit	12-30418
Human Papillomavirus18 Colorimetric and Fluorescent LAMP Kit	16-30418
Human Papillomavirus18 SYBR PCR Kit	14-30418
Human Papillomavirus18 Probe qPCR Kit (without internal control)	15-30418
Human Papillomavirus18 PC Plasmid-Primers-TaqMan Probe Set	30418
Human Papillomavirus18 L1 gene, 480bp partial cds	pc30418-MH057745.1
Human Papillomavirus16 Colorimetric and Fluorescent LAMP Kit	16-30416
Human Papillomavirus16 SYBR PCR Kit	14-30416
Human Papillomavirus16 Probe qPCR Kit (without internal control)	15-30416
Human Papillomavirus16 genome region, 297bp	pc30416-LC647442.1
Human Papillomavirus16 PC Plasmid-Primers-TaqMan Probe Set	30416