HPV SCREENING

Amply-HPV Screening Cat. n. 1.111

The infection by HPV (Human Papilloma Virus) is one of the main cause of cervical intraepithelial neoplasia and of the ano-genital carcinoma. Among the different types of HPV that infect the genital and anal mucosa, the 16 ,18 and 33 have been detected mainly in invasive cervical carcinoma ; the 6 and 11 are been related mainly to benign neoplasia.
The Amply-Set HPV screening allows to detect, using the PCR , Polymerase Chain Reaction ,the viral DNA of HPV of these types: 6, 11, 13, 16, 18, 26, 31, 33, 35, 39, 42, 43, 44, 45, 51, 52, 53, 54, 56, 57, 58, 59 in biological samples as omogenate tissue and cells preparations. The amplified region by the primers used in the kit is the L1 region of the viral genome. Analitycal sensitivity is greater than 16 viral genomes /µl , specificity 100 %.

Principles of assay: A) Extraction of genomic DNA B) amplification C) detection on agarose gel.
Applicability: on extracted and purified DNA of omogenate tissue and cells preparations.
Tests: 40.

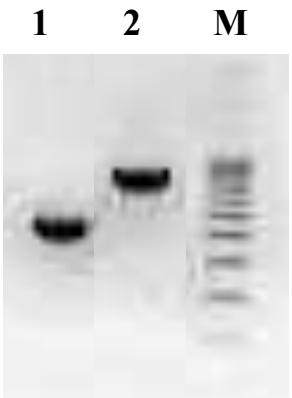
REAGENTS AND STORAGE

AMPLIFICATION	
PCR mix *	-20°C
H_2O sterile	-20°C
Taq Polymerase (5U/µl)	-20°C
Positive control	-20° C

* Mix PCR contains an internal PCR control that produces a fragment of 800 bp.

Stability: over 12 months if correctly stored.

ANALYSIS OF RESULTS



The amplification yield of DNA-HPV positive samples isof 420 bp (lane 1) . The amplification yield of negative samples is of 800 bp (internal control of amplification) (lane 2)

References:
Journal of Clinical Microbiology 33, 690-695 (1995).
Journal of Virology 69, 3074-3083 (1995)
Journal of Investigative Dermatology 105, 367-371 (1995)
Virology 184, 492-503 (1991)