

PapilloCheck[®]

DNA-Array for the genotyping of 24 types of genital HPV

Persistent infection with a carcinogenic human papillomavirus is found in virtually all cases of cervical cancer – the second most common cancer in woman worldwide.

PapilloCheck[®] is a DNA-Array based diagnostic tool for the simultaneous detection and genotyping of 24 different HPV types. Of these, 18 HPV types are classified as high risk types while 6 HPV types are the causative agent of benign warts. While most commercial HPV test systems allow only a crude HPV classification into a low- or high risk HPV group, PapilloCheck[®] makes it possible to specify all 24 HPV types simultaneously, clearly improving the quality of diagnosis. PapilloCheck[®] guarantees:

- high specificity
- high sensitivity
- genotyping of 24 HPV types simultaneously
- monitoring of the most common genital HPV types

The working principle of the PapilloCheck[®] is the hybridization of fluorescently labeled HPV type specific targets to the PapilloCheck[®] DNA-chip, carrying HPV specific DNA-probes. Before hybridization, HPV specific targets are amplified in a multiplex PCR. Extensive “on chip” controls and a fully automatic analysis of the PapilloCheck[®] DNA-chip guarantees reproducible results.



Detectable high risk HPV types

16	18	31	33
35	39	45	51
52	53	56	58
59	66	68	70
73	82		

Detectable low risk HPV types

6	11	40	42
43	44		

The PapilloCheck[®] Kit will be CE certified according to 98/79/EC for in vitro-diagnostic use and will be available in Q2 2006.

For more information please visit our website www.gbo.com/bioscience or contact our local offices:

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www.gbo.com/bioscience

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