Helvetica Health Care

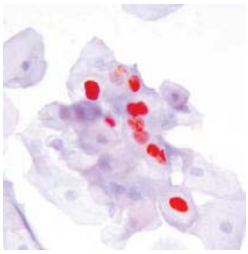
healthcare at the speed of life

CYTOACTIV

The prognostic marker for cervical dysplasia!

State of the Art

Human papilloma viruses (HPV) are playing a decisive role at the development of cervical cancer (carcinome). Therefore the easy and reliable detection (diagnosis) of HPV induced changes to the cells plays a vital role in cancer prevention.
The routinely performed cytologic exam by pap smear (Papanicolaou staining), including coloscopy, has played a central part in the continuousreduction in the frequency of cervical carcinoma cases.



The L1 capsidprotein is a nuclear protein that is rapidly transported into thenucleus of the cell after it is synthesised in the cytoplasm. Therefore the nuclearstaining is the specific staining. In addition to a strong nuclear staining sometimesa vesicular staining within the cytoplasm is observed too (ribosomes producing the L1 Capsidprotein). (see picture 2a).

Thanks to these procedures, characteristic changes in the cell structure, like dysplasia, can be detected years before an invasive carzinome originates.

Most dysplasia cases do not need to be treated in the first place as about 80% of them regress spontaneously.
But as there are no morphological or molecularbiological criteria indicating if there will be remission to a healthy state or a progression towards cancer, the detection of dysplasia leads to a variety of confusion in the patients.

The results are often excessive therapies with a large amount of unnecessary surgery. The new prognostic marker cytoactiv® provides now transparency and gives your patients the safe feeling to be in good hands.

It all depends on the immune system

Latest research proves that by detecting the L1capsidprotein you can predict the prognosis of adysplasia. *(Source: Griesser et al.; AQCH, Vol. 26, No. 5, Oct 04, p. 241-245)*

Do you have any question or would you be interested to receive our quotation?
Please contact us by e-mail (sales@helveticahealthcare.com)
or by phone (+41 22 534 94 54)

Diagnostics - Diagnostics - Diagnostics - Diagnostics - Diagnostics - Diagnostics - Diagnostics - Diagnostics - Diagnostics

Helvetica Health Care

healthcare at the speed of life

These observations can be explained by the biological properties of the L1 capsidprotein that can be detected by cytoactiv®. If cytoactiv® proves positive, a stimmulation of the immune system occurs resulting in a consecutive healing of the dysplasia. If the L1-capsidprotein cannot be detected and there is no consecutive stimulation of the immune system the dysplasia can develop into cancer.

Multiple applications - *Easy and reliable*

cytoactiv® is an immunochemical staining method, extremely simple and robust in its application. The morphology of the cells remains intact by this method so that you can do the evaluation under the microscope as usual. One positively stained cell - detected by its red nucleus - is sufficient for the positive result. You can stain with the same staining protocol native smears, pap smears, and monolayer slides as well as histologic sections.

A list of your advantages

- The prognostic marker for cervical dysplasia
- Automizable staining and evaluation
- Simple, fast and reliable results within 90 minutes
- Can be processed in any cytologic laboratory without the need of sophisticated equipment

ART. CODE	*NAME*	*SIZE*	CE MARKED
SCA1950	Cytoactiv HPV L1 Screening Set Immunochemical detection of the HPV L1 capsidprotein	50 tests	**YES**
SCA0850	Cytoactiv HPV L1 high risk Set Immunochemical detection of the HPV L1 capsidprotein of high risk types	50 tests	**YES**

Accessories

ART. CODE	*NAME*	*SIZE*	CE MARKED
CAPZ5	HPV-Positive control	5 slides	**YES**
CAWP50	wash buffer concentrate 20x concentrated	125 ml	**YES**
CAZP50	citric buffer concentrate 10x concentrated	150 ml	**YES**

Link to the webpage

Do you have any question or would you be interested to receive our quotation?
Please contact us by e-mail (sales@helveticahealthcare.com)
or by phone (+41 22 534 94 54)

Diagnostics - Diagnostics - Diagnostics - Diagnostics - Diagnostics - Diagnostics - Diagnostics - Diagnostics - Diagnostics