

Rovers® Orcellex® Brush

Easy collection of cells from the oral epithelium



Oral cancer is a global health problem with increasing incidence and mortality rates. Early detection of oral cancer can improve therapeutic results and reduce mortality.

Painful biopsies are presently the routine for early diagnosis. The alternative, a brush biopsy using the Orcellex® Brush is a simple non-aggressive technique that is well accepted by the patient and therefore an attractive option. In combination with LBC technology, high quality samples are obtained that can be used for a range of diagnostic or research applications.

The Orcellex® Brush was developed to obtain an oral intra-epithelial sample. The brush was developed in collaboration with dentists/physicians by Rovers Medical Devices, specialist in the development of medical devices of cell sampling devices for over 20 years.

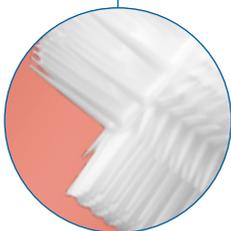


5 segments with
high density of well-
defined soft, flexible
hairs



The rows of hairs
have the right stiffness
for intra-epithelial
sampling

Optional: Rovers® Remover
Tube, for easy removal of
the brush head



Orcellex® Brush

The Orcellex® Brush is an innovative device that allows easy collection of cells from all layers of the oral epithelium. The collected cell material can be used for diagnostic and research applications like liquid based cytology (LBC) and PCR.¹

The shape and the dimensions of the new Rovers® Orcellex® Brush make it possible to sample intra-epithelial locations where most of the dysplastic cells are found. The resulting samples are composed of cells that are representative of all layers of the oral epithelium (basal and parabasal, intermediate cells and superficial cells).

Publication:

1: Sloan et al 2007
Study Report,
The University of
Manchester

Benefits of the brush:

- Easy to use, non-invasive versus histological methods.
- High adequacy rate.
- High cellularity (with LBC on average 55,000 cells on a slide).¹
- Good quality DNA1 based on UK National Genetics Reference laboratory requirements.
- The design enables optimal collection, storage and release of cell material.

Rovers Medical Devices' products have been found to conform to the Quality Standards ISO 13485: 2003 and CAN/CSA-ISO 13485: 2003. All Rovers Medical Devices' products comply with the applicable of the Medical Device Directive 93/42/EEC as amended. Rovers Medical Devices' products do not contain latex.

Rovers® Orcellex® Brush is a patented product. Rovers® and Orcellex® Brush are registered trademarks of Rovers Medical Devices B.V. Oss, The Netherlands.



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Designed, developed and manufactured
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