

Rovers® Orcellex® Brush

New Oral Sampling Technology

- New High-Tech Device
- 5 segments with high density of hairs
- New, patented design to enable collection, storage, and release of cell material
- High adequacy rate
- High cellularity (with LBS on average 55.000 cells on a slide)
- Easy to use, non invasive
- Good quality DNA
- Fast and comfortable procedure

The Rovers® Orcellex® Brush is a new and innovative instrument that allows for easy collection of cells from the oral epithelium. The collected cell materials can be used for diagnostic and research applications as LBC and post PCR applications.

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

Laboratory tests have shown a high adequacy rate and high cellularity of the samples.

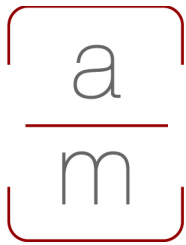
The Rovers® Orcellex® Brush is a non-invasive instrument; it has proven to be well accepted by patients and is easy to use.

It has been shown that the Rovers® Orcellex® Brush combine with the LBC technology can provide good samples that can be used either for diagnostic or research applications. The DNA extracted from the Rovers® Orcellex® Brush kits was of a satisfactory quality for post PCR applications used by the UK National Genetics Reference laboratory for the diagnosis of genetic diseases, such as Cytic Fibrosis family screening.

It offers a new non-invasive method of DNA collection. The technology is simple to use and provides good quality DNA.

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Instructions for use Rovers® Orcellex®:

The Rovers® Orcellex® Brush should be rotated at each individual sample site in order to obtain an adequate number of cells. A fresh brush must be used for each site sampled and a separate vial must be used for that sample. The number of turns needed is ten when collecting an individual sample from the buccal, gingival, or lateral border on tongue mucosa. Although fewer rotations may be satisfactory in the floor of mouth mucosa in some subjects, we advise using ten turns, because the procedure was well tolerated and ten turns produced a consistent high cell yield. We advise the subject to raise his or her hand if discomfort is experienced after 5 turns in the floor of mouth, and then the procedure can be ended and the sample submitted for analysis.

1. Place the Rovers® Orcellex® Brush perpendicular onto the mucosa to be sampled.
2. Subjects should be asked to raise their hand if they want the operator to stop during sampling.
3. Press the Rovers® Orcellex® Brush gently into the lining Rovers® Orcellex® Brush so that it makes firm contact and displaces the mucosa.
4. Rotate the brush through ten complete turns for each site to be sampled. At least five rotations should be used for the floor of the mouth and ideally ten if tolerated, maintaining the pressure on the lining mucosa.
5. For the SurePath® system, dislodge the brush head from the handle and place the brush head into the solution in the specimen vial. Then seal the vial firmly with the lid and discard the handle.
6. For the ThinPrep® method, remove the brush from the mouth and place the brush head in the liquid in the appropriate specimen pot. Shake the brush well for 10 seconds, then discard the Rovers® Orcellex® Brush and seal the vial firmly with the lid.
7. Always ensure that the manufacture's vials are used and that the lids are firmly screwed on to prevent leakage. The vial must be labeled before it is sent to the laboratory.
8. The Rovers® Orcellex® Brush is for one use only and a fresh brush and vial must be used for each location examined.



Rovers® Orcellex® Brush in use on the lateral border of the tongue.



Rovers® Orcellex® Brush in use on the floor of the mouth.



Rovers® Orcellex® Brush in use on the buccal mucosa.



Rovers® Orcellex® Brush in use on the gingival mucosa.



For the ThinPrep® LBC system, the Rovers® Orcellex® Brush is placed into the liquid and shaken for 10 seconds before removing the brush and sealing the vial.



For the SurePath® LBC system, the head of the Rovers® Orcellex® Brush is detached and sealed into the vial before sending to the laboratory. The brush handle is then discarded.

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