DNA from Saliva for Infectious Disease Sampling

Collect superior samples for molecular detection of microbial DNA

OMNIgene®-ORAL is an all-in-one system for the collection and stabilization of microbial DNA from saliva.

- Painless, non-invasive collection of high quality DNA
- Ideal for field collection and ambient temperature transportation and long-term storage
- Increase efficiency, minimize sample handling and reduce handling errors with a compatible format for high throughput processing

“The majority of my work revolves around Drug Reaction with Eosinophilia and Systemic Symptoms, or DRESS, a rare and dangerous reaction to a range of common medicines which may be linked to the reactivation of the herpes viruses (HHV-6, HHV-7, CMV, EBV). OMNIgene-ORAL is proving to be an effective tool for the collection and detection of the human herpes virus in oral samples. The DNA collections with OMNIgene-ORAL are easy and painless for the participants, and provide a viable alternative to blood collections. Having the option of using a non-invasive saliva collection device to detect the presence of the herpes virus in patients suffering the drug reaction may provide ways to treat and possibly stop it becoming more severe, or even fatal.”

Dr. Vincent Descamps, MD, PhD, Bichat Claude Bernard Hospital, APHP, Paris
**Benefits**

- Improve patient care and compliance with painless, non-invasive sample collection
- Increase efficiency, minimize sample handling and reduce handling errors with a compatible format for high-throughput processing
- Sample remains stable for a year at room temperature, reducing transportation and storage cost and complexity

**Collection method comparison**

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Blood collection</th>
<th>Oral collection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-invasive collection</td>
<td>❌</td>
<td>✓</td>
</tr>
<tr>
<td>Standardized format for</td>
<td>✓</td>
<td>❌</td>
</tr>
<tr>
<td>high-throughput processing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specimen stability at room</td>
<td>Days</td>
<td>Days</td>
</tr>
<tr>
<td>temperature</td>
<td>Weeks</td>
<td>1 year</td>
</tr>
</tbody>
</table>

**OM-501 kit contents**

- Tube cap
- Collector

**Product specifications**

**Pre-use with packaging:**
- Dimensions: 14.0 x 8.0 x 2.8 cm
- Weight: 39 g
- Shelf-life: 30 months
- Standard 128C 14-digit bar code

**Post sample collection specifications**

- Standard false bottom tube:
  - Tube diameter: 16 mm
  - Tube height (without cap): 93 mm
  - Sample stability: Year

Collected specimen is potentially infectious and should be handled with appropriate biosafety practices.

Ship in accordance to applicable regulations covering transport of biological specimens.

"The OMNIgene•ORAL product has provided very reliable detection of the presence of the human papillomavirus (HPV) in saliva samples. HPV has been strongly associated with certain kinds of head and neck cancer. The ability to detect the HPV virus in a saliva sample provides us with an easy-to-use and non-invasive tool to test our patients. Overall, the testing methods and the OMNIgene•ORAL collection kits have worked extremely well for detection of high risk oral HPV."

Martin J. Corsten, MD FRCSC, Chairman, Department of Otolaryngology - Head and Neck Surgery, The Ottawa Hospital/University of Ottawa

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**For research use only, not for use in diagnostic procedures.**

Not available for clinical diagnostic use in the United States.

Some DNA Genotek™ products may not be available in all geographic regions.

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