DNA from Saliva
EASY • PAINLESS • PROVEN

Collect high quality DNA samples for molecular diagnostics

ORAcollect®-Dx is a robust, painless and easy-to-use DNA collection kit. ORAcollect-Dx is designed to collect, stabilize and protect DNA samples. Unlike buccal swabs, ORAcollect-Dx samples yield larger amounts of high quality human DNA and integrates easily into existing laboratory workflows.

DNA collection with ORAcollect-Dx provides:

- A fast, easy and reliable DNA sample with no drying time required
- Stabilized DNA at ambient temperature
- High quality DNA for use in downstream molecular applications
- Flexible processing with seamless integration into existing workflows

ORAcollect-Dx is an FDA cleared device†. Molecular diagnostic and laboratory developed test manufacturers can reduce the time and regulatory burden of their own FDA submissions by leveraging the 510(k) clearance of ORAcollect-Dx.

Collection device catalog #: OCD-100
For more information contact info@dnagenotek.com
Features

ORAcollect-Dx is a superior alternative to buccal swabs and offers several advantages:

- Collection of sample is simple and gentle for donor
- Efficient collection is ideal for clinical workflows
- DNA integrity is maintained at ambient temperature for transportation via regular post
- Bacteriostatic reagent inhibits growth of bacteria from time of sample collection to processing
- Liquid sample (no cutting of tips) eliminates manual steps, reduces the chance of errors and cross contamination, while facilitating efficiency in the lab
- High quality DNA sample enables downstream analysis with proven clinical utility
- Format optimizes laboratory efficiency
  - Use with liquid handling robots
  - Minimal hands on technician time
  - Compatible with standard labware
  - Integrated barcode on tube for workflow efficiency and sample traceability

Collection method comparison

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Buccal swabs</th>
<th>ORAcollect-Dx</th>
</tr>
</thead>
<tbody>
<tr>
<td>No drying time required</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Specimen stability at ambient temperature</td>
<td>days</td>
<td>months</td>
</tr>
<tr>
<td>Liquid sample</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Standardized format for high-throughput processing</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Eliminates cross contamination</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Integrated barcode for sample traceability</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>FDA cleared</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Microbial contamination</td>
<td>$T_0 = 14%$, $T_{30 \text{ days}} = 24%$‡</td>
<td>$T_0 = 4%$, $T_{60 \text{ days}} = 4%$**</td>
</tr>
<tr>
<td>Median yield</td>
<td>0.7 µg‡</td>
<td>2.6 µg*</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>&lt; 23 kb‡</td>
<td>&gt; 23 kb‡</td>
</tr>
</tbody>
</table>

‡ Panford-Walsh R., Doukhaneine E. and Bouevitch A. (2011). Comparison of DNA from samples collected using ORAcollect-DNA (OCR-100) vs. buccal swabs. DNA Genotek. PD-WP-00021.

* Data was obtained by testing 156 samples from 156 donors and DNA was extracted using the QIAamp® DNA Mini kit (QIAGEN®).

** Data was obtained by testing 30 samples from 30 donors.

### OCD-100 kit contents

**Product specifications**

**Pre-use with packaging:**
- Dimensions: 10.2 × 24.1 × 1.8 cm
- Weight: 10 g
- Shelf-life: 24 months

**Post sample collection specifications**
- Tube diameter: 16 mm
- Storage conditions: Room temperature
- Sample stability: 60 days

ORAcollect-Dx has been cleared for in vitro diagnostic use in the U.S.A.

1 FDA cleared for in vitro diagnostic use with the eSensor® Warfarin Sensitivity Saliva Test.

*ORAcollect is a registered trademark of DNA Genotek Inc. All other brands and names contained herein are the property of their respective owners.

Patent (www.dnagenotek.com/legalnotices)