Snapshot the microbiome

Collect and stabilize DNA for quantitative gut microbiome profile analysis

OMNIgene®•GUT is an all-in-one system for easy self-collection and stabilization of microbial DNA from feces for gut microbiome profiling.

- Easily self-collect a high quality sample at home
- Rapidly homogenize and stabilize at the point-of-collection
- Transport and store stabilized DNA at ambient temperature for 60 days – no cold chain required
- Ensure microbiota profiles accurately represent the in vivo state
- Standard sample input is ideal for manual or high-throughput, automated processing
- Obtain high quality DNA suitable for 16S rRNA Microbiome profiling, Shotgun Metagenomic Sequencing, qPCR and arrays
- Barcoded for full sample traceability

“I like the idea that OMNIgene•GUT stabilizes the community immediately at time-of-collection because that is far more immediate than I could ever manage with the ice pack method.”

Diana Taft, Researcher at Cincinnati Children’s Hospital Medical Center
Ensure high quality samples and an accurate representation of the microbial community

- Sample stabilization eliminates bias introduced by microbial overgrowth and decay
- Standardized collection enables optimal, cost-effective laboratory processing
- High quality samples facilitate accurate research translation

Benefits of OMNIgene•GUT

- Improve donor compliance with intuitive and user-friendly collection
- Minimize bias introduced by microbial growth and DNA degradation
- Eliminate the costs associated with temperature controlled shipping
- Eliminate need for weighing and aliquot bias with a standard volumetric sample
- Maintain DNA integrity in typical ambient temperature fluctuations (e.g., -20°C to 50°C)
- Minimize noise in your data analysis with reliable microbiota profile

<table>
<thead>
<tr>
<th>Attribute</th>
<th>OMNIgene•GUT (OMR-200)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample homogenization</td>
<td>✓</td>
</tr>
<tr>
<td>Sample collected per kit (median)</td>
<td>520 ± 101 mg</td>
</tr>
<tr>
<td>Shipping at ambient temperature</td>
<td>✓</td>
</tr>
<tr>
<td>Compatible with guanidinium based extraction kits</td>
<td>✓</td>
</tr>
<tr>
<td>Standardized format for high-throughput processing</td>
<td>✓</td>
</tr>
<tr>
<td>Complementary liquefaction reagent available (OM-LQR)</td>
<td>✓</td>
</tr>
<tr>
<td>Number of extractions per kit (250 µl per extraction)</td>
<td>8</td>
</tr>
<tr>
<td>DNA yield per extraction (median)</td>
<td>12 ± 1.49 µg (12.56 µg)</td>
</tr>
<tr>
<td>High molecular weight DNA</td>
<td>✓</td>
</tr>
<tr>
<td>Microbiome profile stability at room temperature</td>
<td>60 days</td>
</tr>
<tr>
<td>Suitable for NGS profiling</td>
<td>✓</td>
</tr>
</tbody>
</table>

Product Specifications

Pre-use with packaging:
- Dimensions: 24.2 cm x 10.2 cm
- Weight: 22.99 g
- Shelf-life: 18 months

Collection device:
- Height: 118.9 mm
- Tube height: 92.5 mm
- Tube diameter: 15.25 mm
- Cap diameter: 18 mm
- Net weight: 13.69 g
- Storage conditions: 15°C–25°C

OMR-200 kit contents

- Sample stabilization eliminates bias introduced by microbial overgrowth and decay
- Standardized collection enables optimal, cost-effective laboratory processing
- High quality samples facilitate accurate research translation

OMNIgene•GUT is for research use only, not for use in diagnostic procedures. Some DNA Genotek products may not be available in all geographic regions. CoreBiome and Diversigen™ are subsidiaries of OraSure Technologies, Inc. “OMNIgene” 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)