DNA from Saliva
EASY • PAINLESS • PROVEN

Easy self-collection for maximum compliance

Transplant centers and marrow donor registries can improve access to potential donors, improve efficiency and decrease costs by offering a completely non-invasive, reliable and easy-to-use sample collection method. Oragene®-DNA and ORAcollect®-DNA are ideal for use with HLA typing applications.

Use Oragene-DNA and ORAcollect-DNA for proven collection, stabilization and transportation of DNA from saliva.

- Non-invasive, reliable self-collection of DNA samples with both spitting and non-spitting options
- Increase access to potential family members and/or unrelated donors with mail based or event-based sample collection
- Ideally suited for HLA typing and Next Generation Sequencing applications
- Decrease cost and complexity of sample transport, management and storage with room temperature stability of samples
- Improve processing efficiency with a liquid sample and tube format that seamlessly integrates with automated platforms

“We’re really excited about the switch to saliva testing. Ultimately, this is about saving more lives. Anthony Nolan provides two potentially lifesaving transplants every day, but there is an equal number that we can’t currently help. We urgently need to increase the number of people on our register, and saliva testing will help us do that much more quickly and effectively.”

Henny Braund
Chief Executive of Anthony Nolan

Other DNA Genotek products include

For In Vitro Diagnostic Use
For collection of human DNA

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Benefits

- Improve donor convenience while eliminating phlebotomy costs
- Ideal for use with all donors, including those who will not comply with blood collections
- Reliable for use in any collection environment: in the clinic, at the physician’s office or at home
- Compact and robust design for transport via the standard postal system
- Suitable for molecular diagnostic applications, such as HLA low, intermediate and high resolution typing

Collection method comparison

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Blood collection</th>
<th>Buccal oral collection</th>
<th>DNA Genotek oral collection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-invasive collection</td>
<td>✗</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Standardized format for high-throughput processing</td>
<td>✓</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Liquid sample</td>
<td>✓</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Specimen stability at room temperature</td>
<td>Days</td>
<td>Days</td>
<td>Years, Months, Months</td>
</tr>
<tr>
<td>Low bacterial content</td>
<td>✓</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Shipping at ambient temperature</td>
<td>✗</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Collected sample size</td>
<td>1 mL</td>
<td>1 swab</td>
<td>0.75 – 2 mL, 0.5 mL, 1 sponge</td>
</tr>
<tr>
<td>Median DNA yield</td>
<td>30 µg</td>
<td>2 µg</td>
<td>17.3 – 110 µg, 8.6 µg, 3.9 µg</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>&gt;23 kb</td>
<td>&lt;23 kb</td>
<td>&gt;23 kb</td>
</tr>
</tbody>
</table>

1 Impact of population and laboratory methods on DNA yield and variability. PD-WP-00031.
2 DNA yield with an Oragene self-collection kit. PD-WP-001.
5 R. Panford-Walsh, E. Doukhanine, A. Bouevitch. Comparison of DNA from samples collected using ORAcollect®DNA (OCR-100) vs. buccal swabs. PD-WP-00021.

Collection steps

Saliva collection (OG-500, OG-510 and ON-500)

1. Fill line
2. Spit until the amount of saliva (not bubbles) reaches the fill line.
3. Close lid tightly by pushing down hard on the funnel lid until you hear a loud click.
4. Unscrew the funnel from the tube.
5. Close tube tightly with small cap.
6. Shake the capped tube for 5 seconds.
7. Place sponge comfortably in mouth and rub lower gums 10 times back and forth.
8. Repeat rubbing motion on the opposite side of the mouth.
9. Holding the tube upright, unscrew the cap from the tube.
10. Turn the cap upside down, insert the sponge into the tube and close tightly.
11. Invert the capped tube and shake vigorously 15 times.

Oral collection (OCR-100)

1. Place sponge comfortably in mouth and rub lower gums 10 times back and forth.
2. Repeat rubbing motion on the opposite side of the mouth.
3. Holding the tube upright, unscrew the cap from the tube.
4. Turn the cap upside down, insert the sponge into the tube and close tightly.
5. Invert the capped tube and shake vigorously 15 times.

Product specifications

<table>
<thead>
<tr>
<th>Features</th>
<th>OG-500, OG-510, OG-575 and ON-500</th>
<th>OCR-100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-use with packaging</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>14.0 x 8.0 x 2.8 cm</td>
<td>7.6 x 22.8 x 2.2 cm</td>
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<tr>
<td>Weight</td>
<td>39 g</td>
<td>10 g</td>
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<td>Shelf-life</td>
<td>30 months</td>
<td>30 months</td>
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<tr>
<td>Post sample collection specifications</td>
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<tr>
<td>Standard false bottom tube</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tube diameter</td>
<td>16 mm</td>
<td>15.8 mm</td>
</tr>
<tr>
<td>Tube height (without cap)</td>
<td>93 mm</td>
<td>96.5 mm</td>
</tr>
</tbody>
</table>

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For In Vitro Diagnostic Use