






## Storage recommendations for samples collected using OMNigene™ products from DNA Genotek™


The preservation and storage of microbiome samples is an important consideration for any study design. The table below summarizes recommendations for short-term handling and long-term storage of unprocessed samples collected in the various OMNigene products offered by DNA Genotek.

	Room temperature storage (15°C / 25°C / 59°F / 77°F)	Freezer storage (-20°C or -80°C / -4°F or -112°F)
<b>OMNigene•GUT (OMR-200)</b>  	<p><b>Storage at room temperature:</b> Fecal samples collected in OMNigene•GUT (OMR-200) can be stored at room temperature for up to <b>60 days</b>.</p> <p><b>IMPORTANT:</b> Storing at 4°C (39°F) is NOT recommended for fecal samples collected in OMNigene•GUT.</p>	<p><b>Storage at -20°C or -80°C (-4°F or -112°F):</b> Fecal samples collected in OMNigene•GUT (OMR-200) can be stored in their original tube at -20°C or -80°C (-4°F or -112°F) within 60 days of collection for up to 1 year. For longer storage, OMNigene•GUT samples should be vigorously mixed, aliquoted into cryovials and stored at -80°C (-112°F).</p>
		<p><b>Freeze-thaw cycles:</b> OMNigene•GUT will preserve the microbial community structure and maintain DNA integrity for up to <b>6 freeze-thaw cycles</b>.<sup>1</sup></p>
<b>OMNigene•GUT DNA and RNA (OMR-205)</b>  	<p><b>Storage at room temperature:</b> Fecal samples collected in OMNigene•GUT DNA and RNA (OMR-205) can be stored at room temperature for up to <b>10 days</b>.</p> <p><b>IMPORTANT:</b> We recommend limiting time exposure of collected samples to elevated temperatures above 37°C (98°F) since these affect the quality of the RNA.</p>	<p><b>Storage at -80°C (-112°F):</b> We recommend storing fecal samples collected in OMNigene•GUT DNA and RNA (OMR-205) in their original tube at -80°C (-112°F) as soon as possible. For long-term storage (&gt; 3 months), we recommend extracting nucleic acids and storing your extracted samples as per your standard operating procedures.</p>
		<p><b>Freeze-thaw cycles:</b> OMNigene•GUT DNA and RNA will preserve the microbial community structure and maintain RNA and DNA integrity for up to <b>3 freeze-thaw cycles</b>.<sup>1</sup></p>

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	Room temperature storage (15°C † 25°C/59°F † 77°F)	Freezer storage (-20°C or -80°C/-4°F or -112°F)
<p><b>OMNigene-ORAL</b> for DNA (OM-501)</p> 	<p><b>Storage at room temperature:</b> Saliva samples collected in OMNigene-ORAL (OM-501) can be stored at room temperature for up to <b>1 year</b>.</p> <p><b>IMPORTANT:</b> Storing at 4°C (39°F) is NOT recommended for saliva samples collected in OMNigene-ORAL.</p>	<p><b>Storage at -20°C or -80°C (-4°F or -112°F):</b> Saliva samples collected in OMNigene-ORAL (OM-501) should be incubated at 50°C (122°F) for 1 hour in a water bath or 2 hours in a dry incubator, mixed well by inversion, aliquoted into cryovials and stored at -20°C (-4°F) or -80°C (-112°F) within 1 year of collection.</p> <p><b>Freeze-thaw cycles:</b> OMNigene-ORAL will maintain DNA integrity for up to <b>3 freeze-thaw cycles</b>.<sup>1</sup></p>
<p><b>OMNigene-ORAL</b> for DNA and RNA (OM-505, OME-505)</p> 	<p><b>Storage at room temperature:</b> Saliva samples collected in OMNigene-ORAL (OM-505, OME-505) can be stored at room temperature for up to <b>21 days</b>.</p> <p><b>IMPORTANT:</b> Storing at 4°C (39°F) is NOT recommended for saliva samples collected in OMNigene-ORAL.</p>	<p><b>Storage at -20°C or -80°C (-4°F or -112°F):</b> Saliva samples collected in OMNigene-ORAL (OM-505, OME-505) should be incubated at 50°C (122°F) for 1 hour in a water bath or 2 hours in a dry incubator, mixed well by inversion, aliquoted into cryovials and stored at -20°C or -80°C (-4°F or -112°F) within 21 days of collection.</p> <p><b>Freeze-thaw cycles:</b> OMNigene-ORAL will maintain DNA and RNA integrity for up to <b>3 freeze-thaw cycles</b>.<sup>1</sup></p>
<p><b>OMNigene-ORAL</b> (OMR-110, OMR-120)</p> <p><b>OMNigene-VAGINAL</b> (OMR-130)</p> 	<p><b>Storage at room temperature:</b> Samples collected in OMNigene-ORAL (OMR-110, OMR-120) and OMNigene-VAGINAL (OMR-130) can be stored at room temperature for up to <b>30 days</b>.</p> <p><b>IMPORTANT:</b> Storing at 4°C (39°F) is NOT recommended for samples collected in OMNigene-ORAL or OMNigene-VAGINAL.</p>	<p><b>Storage at -20°C or -80°C (-4°F or -112°F):</b> Samples collected in OMNigene-ORAL (OMR-110, OMR-120) and OMNigene-VAGINAL (OMR-130) should be treated with Proteinase K and incubated,<sup>2</sup> aliquoted into cryovials and stored at -20°C or -80°C (-4°F or -112°F) within 30 days of collection.</p> <p><b>IMPORTANT:</b> Ensure samples are vortexed and the swab has been pressed against the collection tube's inner wall to remove excess liquid prior to aliquoting or if transferring into cryovials.</p> <p><b>Freeze-thaw cycles:</b> OMNigene-ORAL and OMNigene-VAGINAL will preserve the microbial community structure and maintain DNA and RNA integrity for up to <b>3 freeze-thaw cycles</b>.<sup>1</sup></p>

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	Room temperature storage (15°C ↓ 25°C/59°F ↓ 77°F)	Freezer storage (-20°C or -80°C/-4°F or -112°F)
 <p><b>OMNigene-SKIN (OMR-140)</b></p>	<p><b>Storage at room temperature:</b> Samples collected in OMNigene-SKIN (OMR-140) can be stored at room temperature for up to <b>30 days</b>.</p> <p><b>IMPORTANT:</b> Storing at 4°C (39°F) is NOT recommended for samples collected in OMNigene-SKIN.</p>	<p><b>Storage at -20°C or -80°C (-4°F or -112°F):</b> Samples collected in OMNigene-SKIN (OMR-140) should be treated with Proteinase K and incubated,<sup>1</sup> aliquoted into cryovials and stored at -20°C or -80°C (-4°F or -112°F) within 30 days of collection.</p> <p><b>IMPORTANT:</b> Ensure samples are vortexed and the swab has been pressed against the collection tube's inner wall to remove excess liquid prior to aliquoting or if transferring into cryovials.</p>
		<p><b>Freeze-thaw cycles:</b> OMNigene-SKIN kits will preserve the microbial community structure and maintain DNA integrity for up to <b>3 freeze-thaw cycles</b>.<sup>1</sup></p>

<sup>1</sup>Freeze-thaw cycle: from -20°C to 30°C (-4°F to 86°F).

<sup>2</sup>Add 400 µg of Proteinase K to the 1 mL sample collection tube and vortex. Incubate at 50°C for 1 hour in a water bath or 2 hours in a dry incubator. Ensure that the swab tip is immersed in the solution.

Recommended Proteinase K:

- Epicentre® PK (Cat. No. MPRK092) — Add 8 µL of 50 mg/mL stock.
- QIAGEN® Proteinase K (Cat. No. 19131 or 19133) — Add 20 µL of 20 mg/mL stock.
- Roche Proteinase K (Cat. No. 3115887001, 3115828001 or 3115844001) — Add 22 µL of 18 mg/mL stock.

**Technical support is available Monday to Friday (9h00 to 17h00 ET):**

Toll-free (North America): 1.866.813.6354, option 6

All other countries: +1.613.723.5757, option 6

Email: support@dnagenotek.com

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All DNA Genotek protocols, white papers and application notes are available in the support section of our website at [www.dnagenotek.com](http://www.dnagenotek.com).