






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)
OMNigene-GUT (OMR-200, OM-200) 	<p>Storage at room temperature: Fecal samples collected in OMNigene-GUT (OMR-200, OM-200) can be stored at room temperature for up to 60 days.</p> <p>IMPORTANT: Storing at 4°C (39°F) is NOT recommended for fecal samples collected in OMNigene-GUT.</p>	<p>Storage at -20°C or -80°C (-4°F or -112°F): Fecal samples collected in OMNigene-GUT (OMR-200, OM-200) can be stored in their original tube at -20°C or -80°C (-4°F or -112°F) 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>Freeze-thaw cycles: OMNigene-GUT will preserve the microbial community structure and maintain DNA integrity for up to 6 freeze-thaw cycles.¹</p>
OMNigene-GUT DNA and RNA (OMR-205) 	<p>Storage at room temperature: Fecal samples collected in OMNigene-GUT DNA and RNA (OMR-205) can be stored at room temperature for up to 10 days.</p> <p>IMPORTANT: 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>Storage at -80°C (-112°F): 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 (> 6 months), we recommend extracting nucleic acids and storing your extracted samples as per your standard operating procedures.</p> <p>Freeze-thaw cycles: OMNigene-GUT DNA and RNA will preserve the microbial community structure and maintain RNA and DNA integrity for up to 3 freeze-thaw cycles.¹</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>OMNigene-SALIVA for DNA and RNA (OMR-610)</p> 	<p>Storage at room temperature: Saliva samples collected in OMNigene-SALIVA DNA and RNA (OMR-610) can be stored at room temperature for up to 21 days.</p> <p>IMPORTANT: Storing at 4°C (39°F) is NOT recommended for saliva samples collected in OMNigene-SALIVA DNA and RNA.</p>	<p>Storage at -20°C or -80°C (-4°F or -112°F): Saliva samples collected in OMNigene-SALIVA DNA and RNA (OMR-610) 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 and extracted within 21 days prior to storage at -20°C or -80°C (-4°F or -112°F).</p> <p>Freeze-thaw cycles: OMNigene-SALIVA DNA and RNA will maintain DNA AND RNA integrity for up to 3 freeze-thaw cycles.¹</p>
<p>OMNigene-ORAL for DNA (OM-501)</p> 	<p>Storage at room temperature: Saliva samples collected in OMNigene-ORAL (OM-501) can be stored at room temperature for up to 1 year.</p> <p>IMPORTANT: Storing at 4°C (39°F) is NOT recommended for saliva samples collected in OMNigene-ORAL.</p>	<p>Storage at -20°C or -80°C (-4°F or -112°F): 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>Freeze-thaw cycles: OMNigene-ORAL will maintain DNA integrity for up to 3 freeze-thaw cycles.¹</p>
<p>OMNigene-ORAL for DNA and RNA (OM-505, OME-505)</p> 	<p>Storage at room temperature: Saliva samples collected in OMNigene-ORAL (OM-505, OME-505) can be stored at room temperature for up to 21 days.</p> <p>IMPORTANT: Storing at 4°C (39°F) is NOT recommended for saliva samples collected in OMNigene-ORAL.</p>	<p>Storage at -20°C or -80°C (-4°F or -112°F): 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 and extracted within 21 days prior to storage at -20°C or -80°C (-4°F or -112°F).</p> <p>Freeze-thaw cycles: OMNigene-ORAL will maintain DNA and RNA integrity for up to 3 freeze-thaw cycles.¹</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>OMNigene-ORAL (OMR-110, OMR-120)</p> <p>OMNigene-VAGINAL (OMR-130)</p> 	<p>Storage at room temperature: Samples collected in OMNigene-ORAL (OMR-110, OMR-120) and OMNigene-VAGINAL (OMR-130) can be stored at room temperature for up to 30 days.</p> <p>IMPORTANT: Storing at 4°C (39°F) is NOT recommended for samples collected in OMNigene-ORAL or OMNigene-VAGINAL.</p>	<p>Storage at -20°C or -80°C (-4°F or -112°F): Samples collected in OMNigene-ORAL (OMR-110, OMR-120) and OMNigene-VAGINAL (OMR-130) should be treated with Proteinase K and incubated,² aliquoted into cryovials and stored at -20°C or -80°C (-4°F or -112°F) within 30 days of collection.</p> <p>IMPORTANT: 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>Freeze-thaw cycles: OMNigene-ORAL and OMNigene-VAGINAL will preserve the microbial community structure and maintain DNA and RNA integrity for up to 3 freeze-thaw cycles.¹</p>
<p>OMNigene-SKIN (OMR-140)</p> 	<p>Storage at room temperature: Samples collected in OMNigene-SKIN (OMR-140) can be stored at room temperature for up to 30 days.</p> <p>IMPORTANT: Storing at 4°C (39°F) is NOT recommended for samples collected in OMNigene-SKIN.</p>	<p>Storage at -20°C or -80°C (-4°F or -112°F): Samples collected in OMNigene-SKIN (OMR-140) should be treated with Proteinase K and incubated,² aliquoted into cryovials and stored at -20°C or -80°C (-4°F or -112°F) within 30 days of collection.</p> <p>IMPORTANT: 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>Freeze-thaw cycles: OMNigene-SKIN kits will preserve the microbial community structure and maintain DNA integrity for up to 3 freeze-thaw cycles.¹</p>

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

²Add 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.