

U.S. 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) 	<p>Storage at room temperature: Fecal samples collected in OMNigene-GUT (OMR-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) 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-ORAL 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-SALIVA 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 (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>

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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-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 for the U.S. (9:00 a.m. - 5:00 pm. 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.